ORDER NO. VM0301002C8

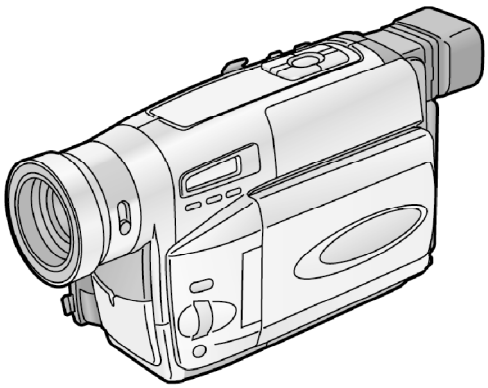
Service Manual

VHS-C Movie

Panasonic VHSC PAL

NV-VZ17B / NV-VZ17EG / NV-VZ17EGE / NV-VZ17EGM / NV-VZ17EM / NV-VZ17EN

Z12-MECHANISM



SPECIFICATIONS

ITEM	SPECIFICATION	ITEM	SPECIFICATION
POWER	Source: Battery ; 7.2V DC AC Adaptor ; 11.0V DC Consumption (Battery Operation): 3.8 W (When using finder) 5.0 W (When using LCD Monitor)	MONITOR	2.5-inch Colour LCD Monitor
		VIEWFINDER	0.24-inch Electronic Viewfinder
		STANDARD ILLUMINATION	1,400 lx
		OPERATING TEMPERATURE	0℃-40℃
		OPERATING HUMIDITY	10%-80%
TAPE FORMAT	VHS-C Cassette		
RECORDING/ PLAYBACK TIME	LP ; 2 hour with EC60	WEIGHT	Approx. 900 g (without Battery)
		DIMENSIONS	Approx. 88 (W) X 118 (H) X 241 (D) mm
VIDEO	Television system: CCIR; 625 lines, 50 fields PAL colour signal Output level: VIDEO OUT (PHONO); 1.0Vp-p, 75 Ω terminated	AC ADAPTOR	Power Source: AC 110-240 V, 50/60 Hz Power Consumption: 14W DC Output: DC 11.0 V, 1.0 A Weight: Approx. 140 g (without AC Mains Lead) Dimensions: Approx. 60 (W) X 32 (H) X 97 (D) mm
AUDIO	Output level/Impedance: AUDIO OUT (PHONO) -6 dBV (47k Ω loaded)/less than 1k Ω Audio Track: 1 track (Normal-Monaural)		
CAMERA	Image sensor: 1/6 inch CCD image sensor Lens: 18:1 Power Zoom Lens (Optical capability) F1.8 Forcal Length; 3.1-55.8mm Digital AI Auto Focus/Auto Iris Finder diameter; 37mm	STANDARD ACCESSORIES	AC Adaptor AC Mains Lead Battery Cassette Adaptor and Battery Shoulder Strap Lens Cap
		SOLDER	This model use lead free solder (PbF)

Weight and dimensions are approximate.
Specifications are subject to change without notice.

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

1. INTRODUCTION

1.1. INTRODUCTION

This service manual contains technical information which will be allowed service personnel's to understand and service this model.
Please use part number on the parts list to make order for spare part and do not use reference number on the drawing.
If the circuit is changed or modified, this information will be followed by supplement service manual.

Note 1:
The service manual for Mechanism-Chassis is separated as another one.
Please refer to the following manual for detail of adjustment procedure for Mechanism-Chassis.
Order number for service manual of Mechanism-Chassis : VMD0201001C8
as for Replacement parts, refer to the parts list listed on the service manual.

1.2. ABOUT LEAD FREE SOLDER (PbF)

Caution:

- Pb free solder has a higher melting point than standard solder, Typically the melting point is 50-70°F (30-40°C) higher. Please use a high temperature soldering iron. In case of soldering iron with temperature control, please set it to 700±20°F (370±10°C)
- Pb free solder will tend to splash when heated too high (about 1100°F/600°C).

When soldering or unsoldering, please completely remove all of the solder on the pins or solder area, and be sure to heat the soldering points with the Pb free solder until it melts enough.

2. CAUTION FOR AC CORD (VJA0940 TYPE)

2.1. INFORMATION FOR YOUR SAFETY

IMPORTANT

Your attention is drawn to the fact that recording of pre-recorded tapes or discs or other published or broadcast material may infringe copyright laws.

WARNING

To reduce the risk of fire or shock hazard, do not expose this equipment to rain or moisture.

CAUTION

To reduce the risk of fire or shock hazard and annoying interference, use the recommended accessories only.

FOR YOUR SAFETY

DO NOT REMOVE THE OUTER COVER

To prevent electric shock, do not remove the cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

2.2. CAUTION FOR AC MAINS LEAD

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three-pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5 amperes and it is approved by ASTA or BSI to BS1362

Check for the ASRA mark or the BSI mark on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover, the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic Dealer.

If the fitted moulded plug is unsuitable for the socket outlet in your home then the fuse should be

removed and the plug cut off and disposed of safety.
There is a danger of severe electrical shock if the cut off plug is inserted into any 13-ampere socket.
If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt, please consult a qualified electrician.

2.2.1. Important

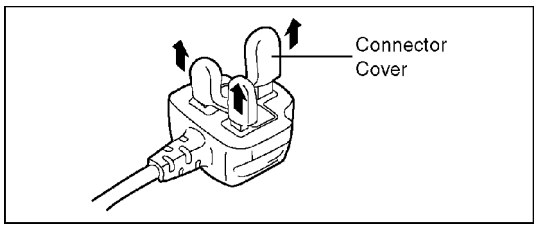
The wires in this mains lead are coloured in accordance with the following code:

Blue	**Neutral**
Brown	**Live**

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.
The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.
Under no circumstances should either of these wires be connected to the earth terminal of the three pin plug, marked with the letter E or the Earth Symbol.

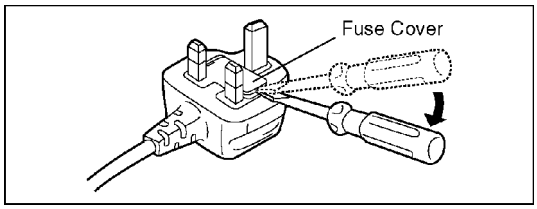
2.2.2. Before use

remove the Connector Cover as follows.

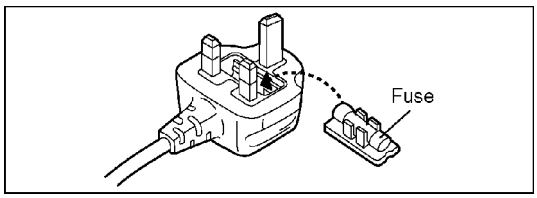


2.2.3. How to replace the Fuse

1. Remove the Fuse Cover with a screwdriver.



2. Replace the fuse and attach the Fuse cover.



3. SERVICE CAUTION

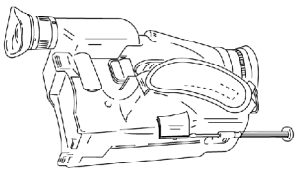
3.1. SERVICE EXTENSION CABLES

This model is required the following extension cables for all connections.

No.	Parts No.	Pin	Part name	Connection	Q'ty	R
/ 1	VFK1738A1025 / & / VFK1737A10CB	/ 10	/ Flat Cable & Extention Board	/ CN1-Drum Motor	/ 1	/
/ 2	VFK1738A1025 / & / VFK1737A10CB	/ 10	/ Flat Cable & Extention Board	/ CN9031-Front	/ 1	/
/ 3	VFK1738A1425 / & / VFK1737A14CB	/ 14	/ Flat Cable & Extention Board	/ CN2-Sensor	/ 1	/
/ 4	VFK1738A1425 / & / VFK1737A14CB	/ 14	/ Flat Cable & Extention Board	/ CN22-CCD	/ 1	/
/ 5	VFK1738A1825 / & / VFK1737A18CB	/ 18	/ Flat Cable & Extention Board	/ CN3-Capstan Motor	/ 1	/
6	VFK1739	2	Wire Cable	CN4-Loading Motor	1	
7	VFK1739	2	Wire Cable	CN8-Mic	1	
8	VFK1739	2	Wire Cable	CN27-Speaker	1	
/ 9	VFK1738A1125 / & / VFK1737A11CB	/ 11	/ Flat Cable & Extention Board	/ CN5-Video Head	/ 1	/
/ 10	VFK1738A1125 / & / VFK1737A11CB	/ 11	/ Flat Cable & Extention Board	/ CN7-AC Head	/ 1	/
/ 11	VFK1738A2225 / & / VFK1737A22CB	/ 22	/ Flat Cable & Extention Board	/ CN15-Lens	/ 1	/
/ 12	VFK1738A2025 / & / VFK1737A20CB	/ 20	/ Flat Cable & Extention Board	/ CN9012-EVF B/W	/ 1	/
/ 13	VFK1738A1625 / & / VFK1737A16CB	/ 16	/ Flat Cable & Extention Board	/ CN9013-Top Operation at Side case(L)	/ 1	/
/ 14	VFK1738A1325 / & / VFK1737A13CB	/ 13	/ Flat Cable & Extention Board	/ CN9018-Side Operation at Side case(R)	/ 1	/

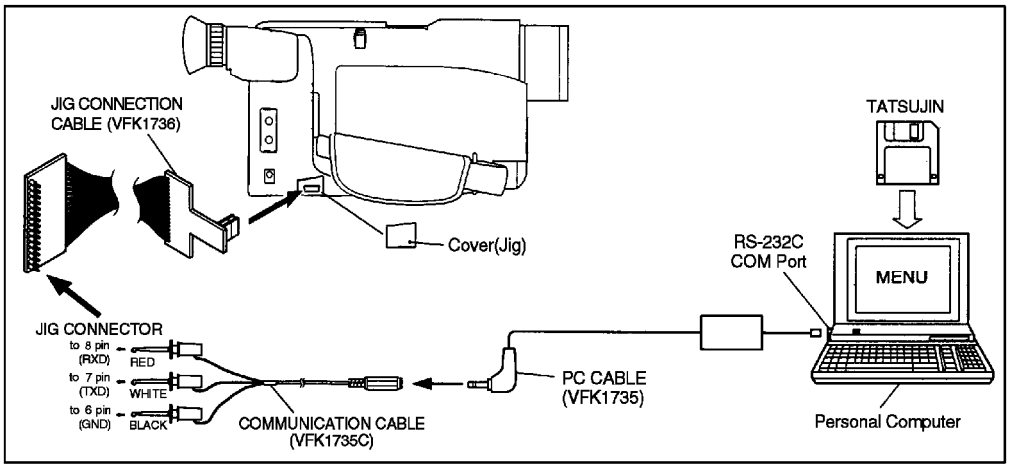
3.2. SET-UP FOR ADJUSTMENT OF TATSUJIN

For adjustment of " TATSUJIN ", please open the small cover which is located at bottom of side case(L) using small screwdriver as follows.



- Insert a small screwdriver to small hole on side case (L) and prize off the cover.
  (Be careful not to make scratch on side case.)

And then connect the JIG board and TATSUJIN cable as follows.



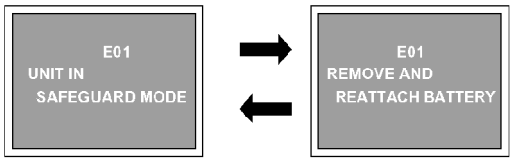
4. SERVICE INFORMATION

4.1. EMAGENCY DISPLAY

Whenever some abnomal signal is input to the mechacon CPU, an error number (E01, as an example) is displayed in the electronic view finder.
In every error status, such the message as shown below alternately appear over and over.

- In an emagency mode, all operations except turning on/off the POWER switch are ineffectual.

Example (in case of the error number E01):



E.VF	Symptom	Mode when observed	Resulting
E07	Short circuit of capstan MDA	Power ON	Power C
E06	CAPSTAN FG input absent	EDIT	Power C
E04	DRAM FF input absent	DRAM rotation	Power C
E03	SUPPLY REEL FG input absent	REC, PLAY, SERCH, FF	UNLOADING OFF
E02	Mode control motor retates for more than 10 sec / without shift to next mode	UNLOADING	Power C
E01	Mode control motor retates for more than 10 sec / without shift to next mode	LOADING	Power C
E00	Overtime the programming transaction	REC, PLAY	Power C

4.2. INSERTING THE BUTTON-TYPE BATTERY

Before setting the data and time, insert the button-type battery (supplied).

1 Open the Side Case (L) Unit.

2 Replace the battery to new one.

- Before inserting or removing the button-type battery, be sure to set the [CAMERA/OFF/VCR] Switch to [OFF].
- When you remove the button-type battery, be careful not to drop it.
- **Keep the button-type battery out of the reach of children.**
- Make sure you insert the battery with its poles correctly aligned.
- The internal clock works even when the Movie Camera is turned off, and it consumes power from the button-type battery.

Note:

The lithium battery is a critical component.
It must never be subjected to excessive heat or discharge.
It must therefore only be fitted in equipment designed specifically for its use.
Replacement batteries must be of the same type and manufacture.
They must be fitted in the same manner and location as the original battery, with the correct polarity contacts observed.
Do not attempt to re-charge the old battery or re-use it for any other purpose.
It should be disposed of in waste products destined for burial rather than incineration.

(For English)

CAUTION

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type recommended by the equipment manufacturer.
Discard used batteries according to manufacture's instructions.

(For French)

PRECAUTION

Le fait de remplacer incorrectement la pile peut présenter des risques d'explosion.
Remplacer la pile uniquement par une pile identique ou de type équivalent recommandée par le fabricant. Se débarrasser des piles usagées conformément aux instructions du fabricant.

(For German)

VORSICHT

Bei einer falsch eingesetzten Batterie besteht Explosionsgefahr. Nur mit einer vom Hersteller empfohlenen Batterie vom gleichen Typ ersetzen.
Verbrauchte Battrien beim Fachhändler oder einer Sammelstelle für Sonderstoffe abliefern.

(For Swedish)

VARNING

Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattilverkaren.
Kassera använt batteri enligt fabrikantens instruktion.

(For Norwegian)

ADVARSEL!

Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.
Udskiftning má kun ske med batteri af samme fabrikat og type.
Levér det brugte batteri tibage til leverandøren.

(For Finnish)

VAROITUS

Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin.
Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

5. GENERAL DESCRIPTION

6. ADJUSTMENT PROCEDURES

6.1. DISASSEMBLY PROCEDURES

Flow-Chart for Disassembly Procedure

No.	Item/Part	Fig.	Removal (Screw)
1	Side Case (L) Unit	Fig.1	3-Screws (A) 1-Screw (A')
		Fig.2	1-Screw (B) 1-Screw (C) 1-Screw (D) 1-Screw (E) 2-Screws (F)
		Fig.3	Locking Tab (a) Slightly open the Side Case (L) Unit. Disconnect CN27 and CN9013.
2	Front Case Unit	Fig.4	3-Locking Tabs (b) Disconnect CN8 and CN9031.
3	Main C.B.A.	Fig.5	2-Screw (G) Disconnect the following connectors. CN1, CN2, CN3, CN4, CN5, CN7, / CV15, CN16, CN22, CN9012, / CN9013, CN9018
4	Cassette Cover Unit	Fig.6 /	1-Screw (H)
5	Rear Case Unit	Fig.7	1-Screw (K) 2-Locking Tabs (c)
6	EVF Unit	Fig.8	2-Screws (L)
7	Lens Unit	Fig.9	2-Screws (M)
8	Mechanism Unit	Fig.10	2-Screws (N) 3-Screws (O)
		Fig.11	2-Screws (P) 1-Screws (Q)
9	Main Frame Unit	Fig.6	1-Screw (I) 2-Screws (J)
		Fig.12 /	7-Locking Tabs (d)

No.	Item/Part	Fig.	Removal (Screw)
10	LCD Unit / NV-VZ75 only	Fig.13	Remove the Sheet. 3-Screws (R) 1-Screw (S) 1-Screw (T) 2-Screws (U) Remove the Monitor Assy.
		Fig.14	2-Screws (V) 1-Screw (W) Remove the Monitor Cover. 1-Screw (X) Disconnect CN7603. Remove the Monitor C.B.A., Sheet / (Reflect), Light Screen, Lamp, / Diffusion Sheet, LCD Frame, / LCDModule and Shield Case.
		Fig.14	1-Screw (Y) Remove the Lock Spring and Lock Lever.
11	Back light Unit	Fig.15	Remove the Polarization Sheet. Remove the LCD Terminal Rubber and Fluorescent Lump.

Fig.1

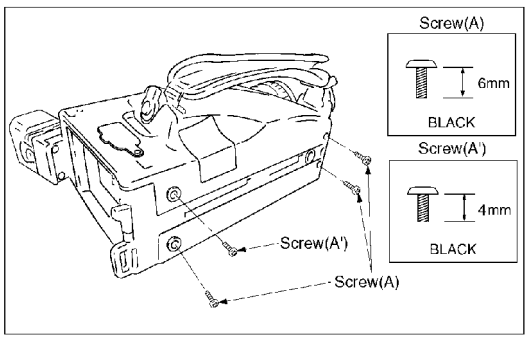


Fig.2

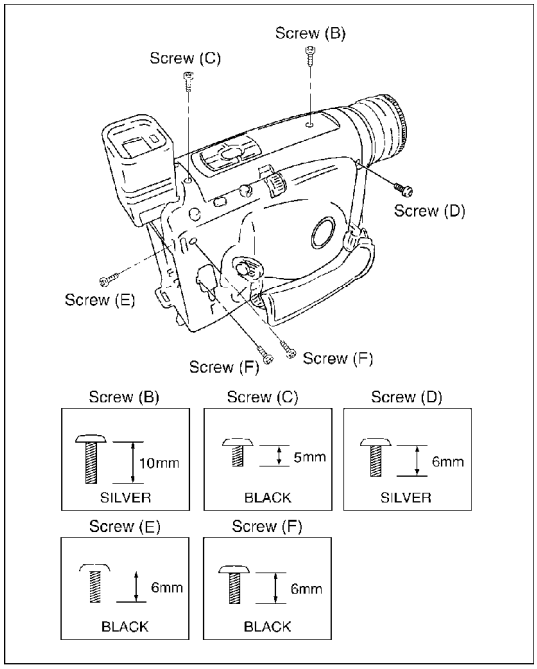


Fig.3

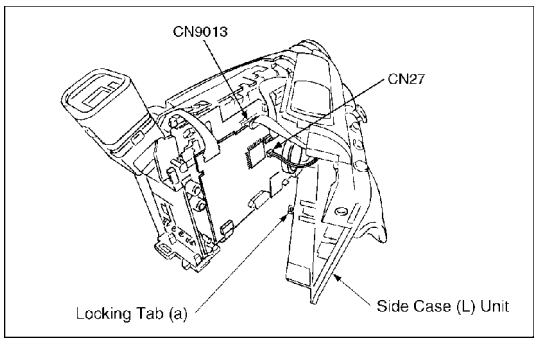


Fig.4

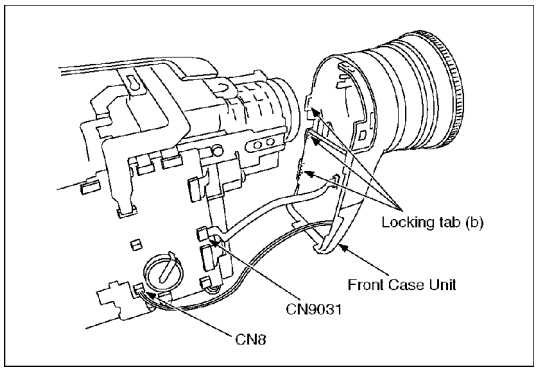


Fig.5

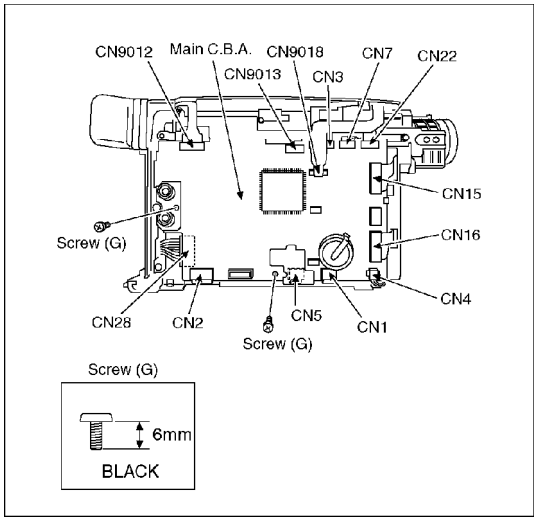


Fig.6

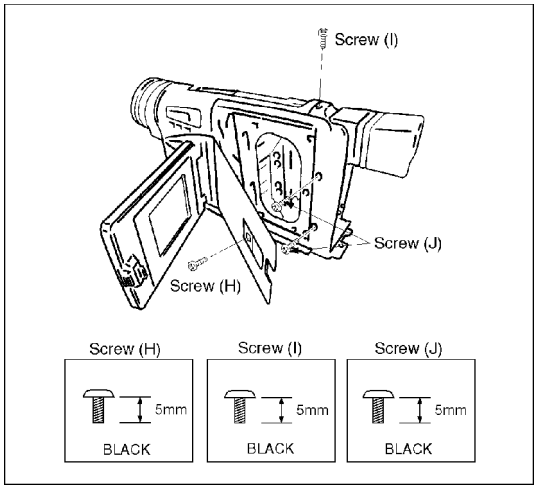


Fig.7

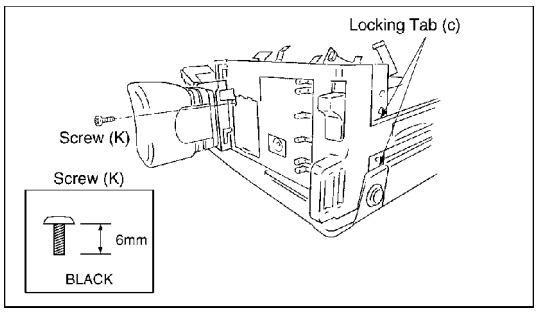


Fig.8

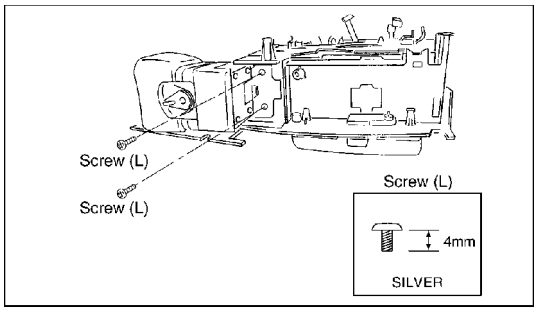


Fig.9

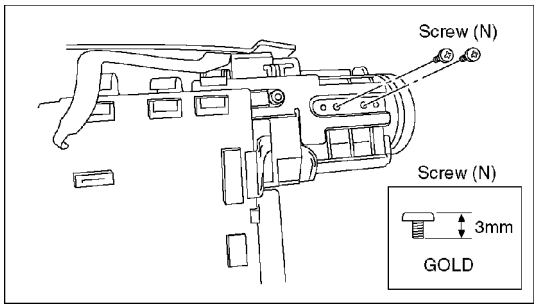


Fig.10

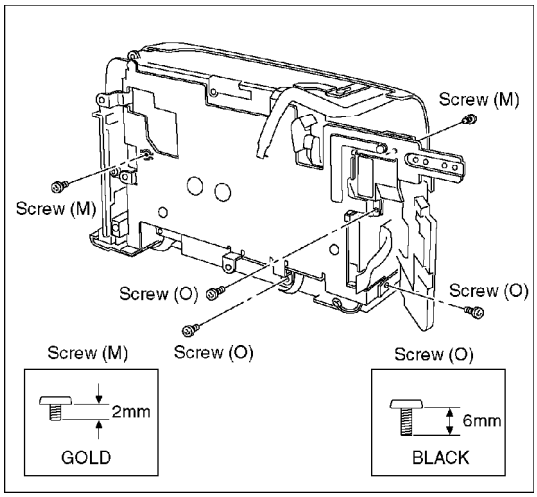


Fig.11

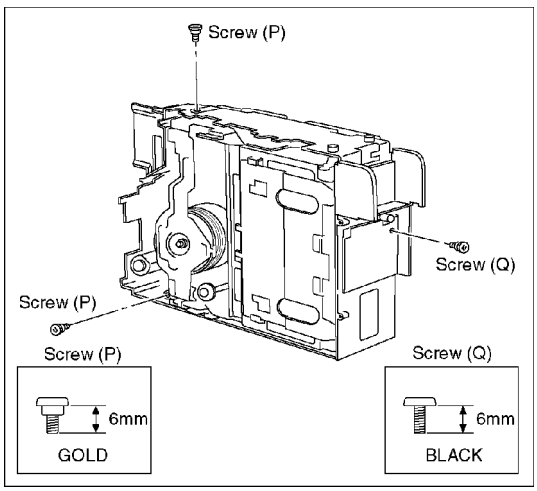


Fig.12

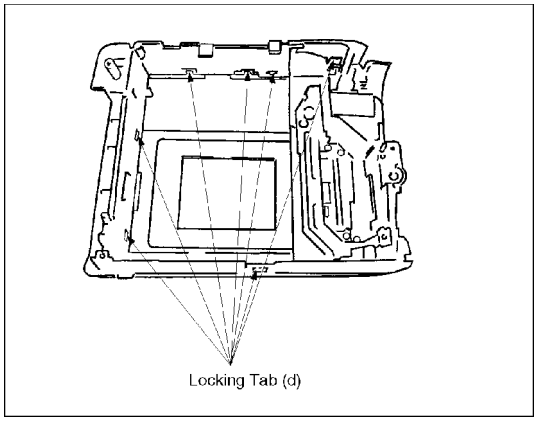

Locking Tab (d)

Fig.13

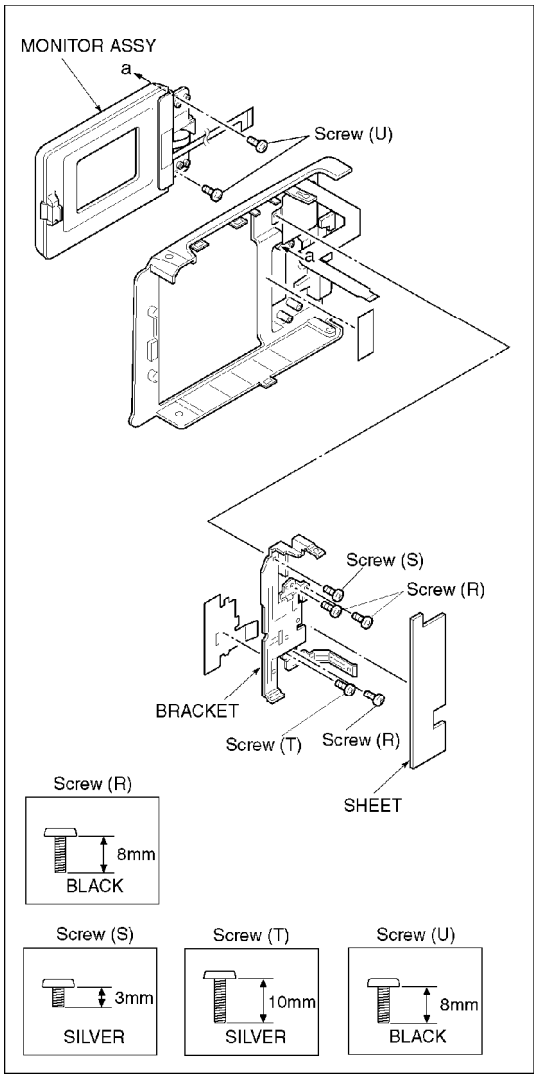

MONITOR ASSY
a
Screw (U)
a
Screw (S)
Screw (R)
BRACKET
Screw (T)
Screw (R)
SHEET
Screw (R)
8mm
BLACK
Screw (S)
3mm
SILVER
Screw (T)
10mm
SILVER
Screw (U)
8mm
BLACK

Fig.14

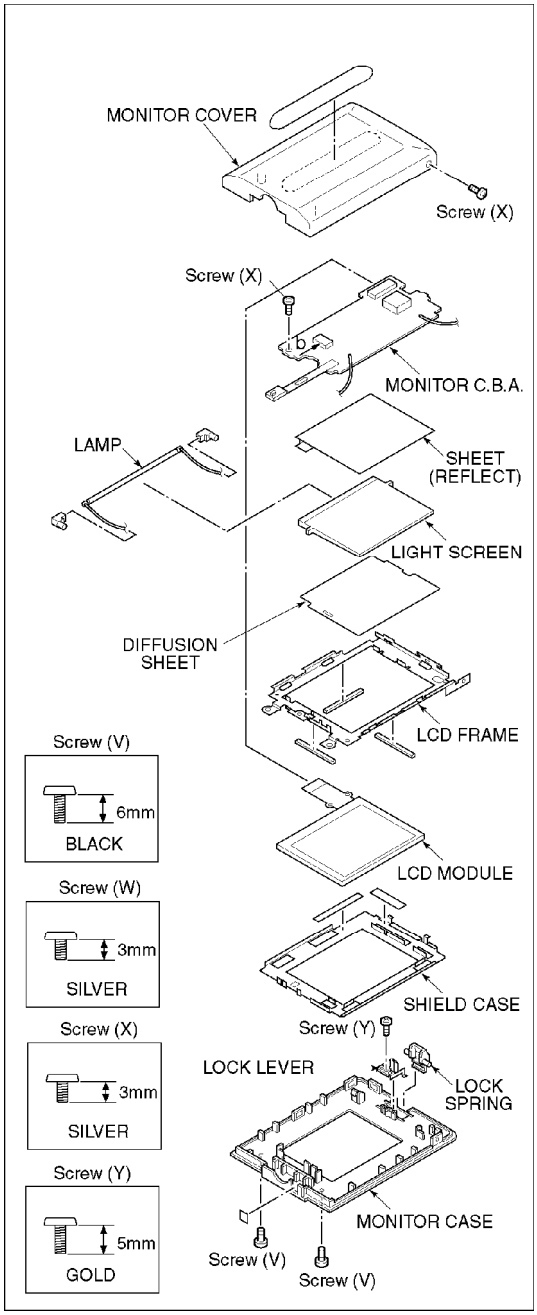
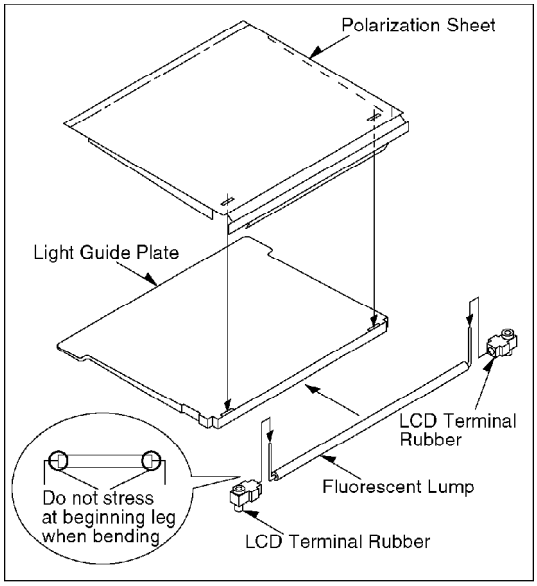

MONITOR COVER
Screw (X)
Screw (X)
MONITOR C.B.A.
LAMP
SHEET
(REFLECT)
LIGHT SCREEN
DIFFUSION
SHEET
LCD FRAME
Screw (V)
6mm
BLACK
LCD MODULE
Screw (W)
3mm
SILVER
SHIELD CASE
Screw (Y)
Screw (X)
LOCK LEVER
LOCK
SPRING
3mm
SILVER
Screw (Y)
5mm
GOLD
MONITOR CASE
Screw (V)
Screw (V)

Fig.15



6.2. DISASSEMBLY PROCEDURES OF LENS UNIT

- The following flowchart describes order or steps for removing the lens units and certain printed circuit boards in order to make access to the item needing service.

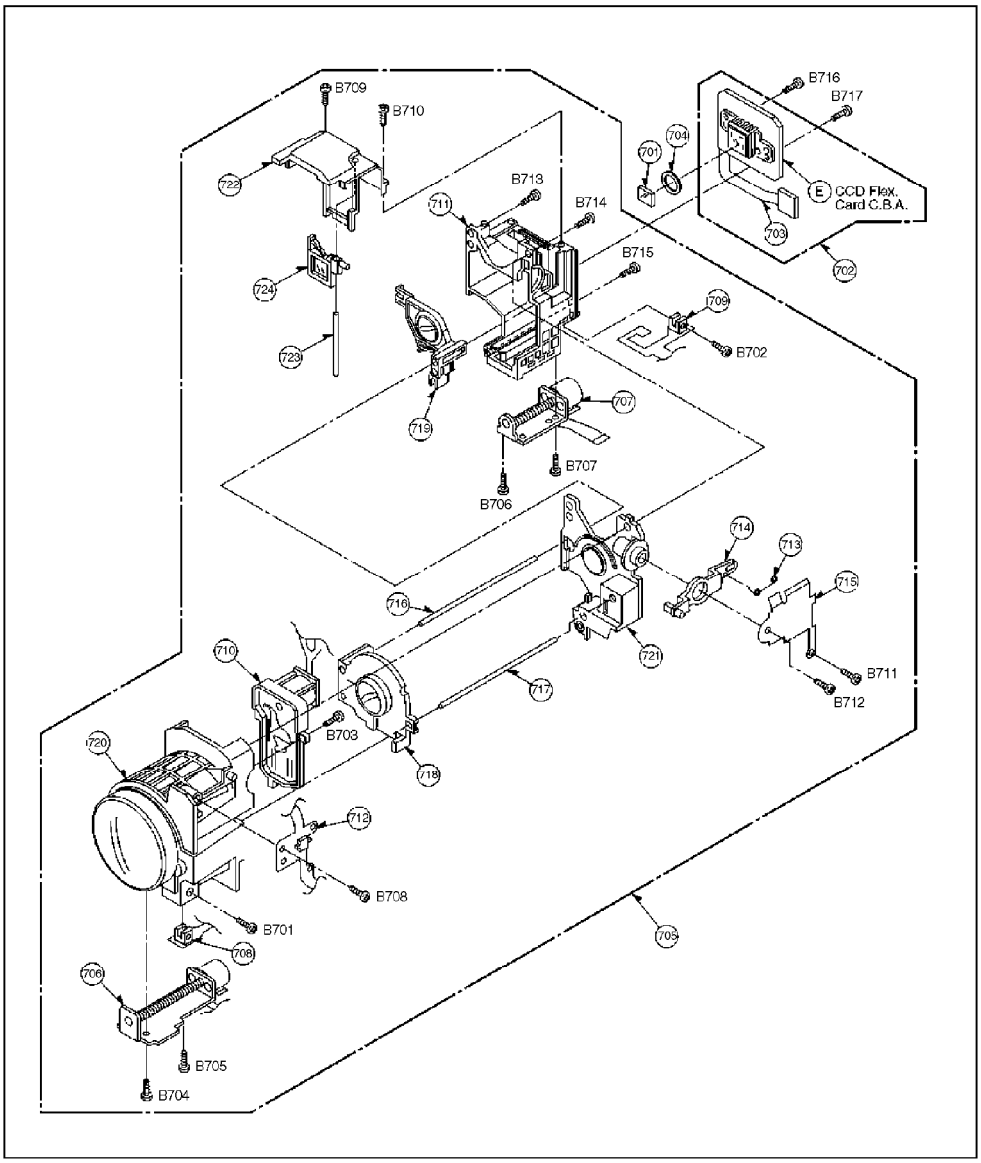
- To reassemble the unit follow the steps in reverse order.

Fig. L1

1. CCD Unit	Ref. No. 702
2. CCD Cushion & Crystal Filter	Ref. No. 704/701
3. Protect Sheet & Lever	Ref. No. 715/174
4. F fix frame & F frame U.	Ref. No. 722/724
5. Zoom Motor Unit	Ref. No. 706
6. Focus Motor Unit	Ref. No. 707
7. Lens Flex. Card C.B.A.	Ref. No. 712
8. Master Flange & Ilis U	Ref. No. 711/710
9. 3rd Lens Frame Unit	Ref. No. 721
10. 4th Moving Frame Unit	Ref. No. 719
11. 2nd Moving Frame Unit	Ref. No. 718
12. Guide Pole	Ref. No. 716/717

Note: Each Ref.-numbers are equivalent to number on Fig. L2 and Parts List.

Fig. L2



7. BLOCK DIAGRAMS

7.1. POWER SYSTEM BLOCK DIAGRAM

7.2. CPU/MDA SYSTEM BLOCK DIAGRAM

7.3. CAMERA AND Y/C SYSTEM BLOCK DIAGRAM

7.4. MONITOR SYSTEM BLOCK DIAGRAM

8. SCHEMATIC DIAGRAMS

8.1. BOARD INTERCONNECTIONS

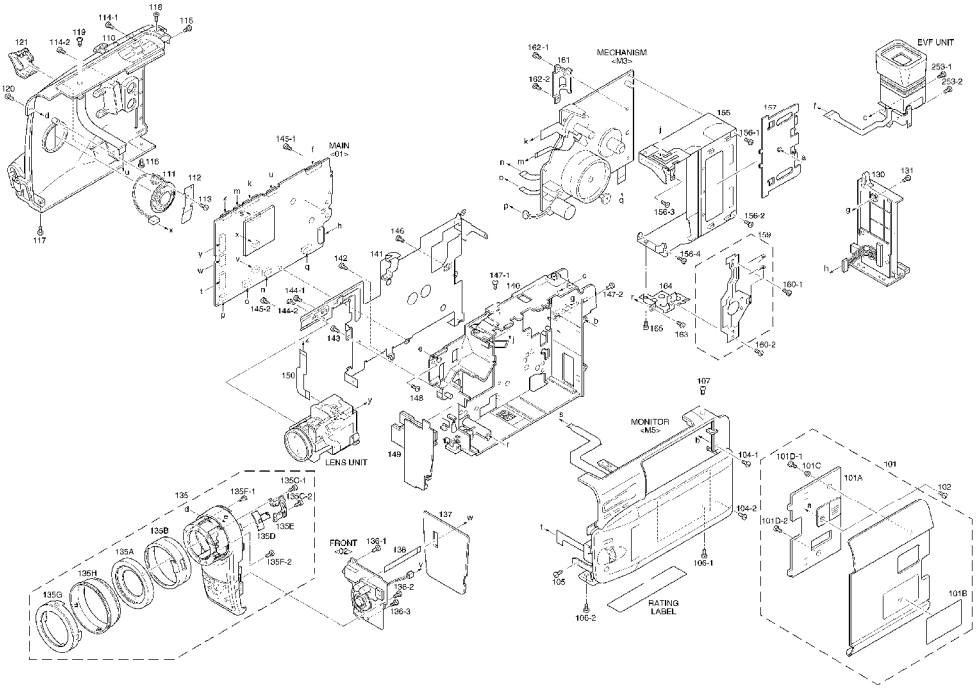
8.2. CPU SCHEMATIC DIAGRAM

8.3. M.MDA SCHEMATIC DIAGRAM
8.4. VTR ASP SCHEMATIC DIAGRAM
8.5. DSP SCHEMATIC DIAGRAM
8.6. F/Z/I/MDA SCHEMATIC DIAGRAM
8.7. V OUT SCHEMATIC DIAGRAM
8.8. TG/CDS SCHEMATIC DIAGRAM
8.9. REG SCHEMATIC DIAGRAM
8.10. LCD SCHEMATIC DIAGRAM
8.11. BWVF SCHEMATIC DIAGRAM
8.12. JACK SCHEMATIC DIAGRAM
8.13. SPEAKER SCHEMATIC DIAGRAM
8.14. CCD SCHEMATIC DIAGRAM
8.15. MONITOR SCHEMATIC DIAGRAM
8.16. FRONT SCHEMATIC DIAGRAM
8.17. REAR SCHEMATIC DIAGRAM
8.18. SENSOR SCHEMATIC DIAGRAM
8.19. 0 LUX SCHEMATIC DIAGRAM
8.20. WAVEFORM TABLE
8.21. VOLTAGE CHARTS
9. CIRCUIT BOARD ASSEMBLIES
9.1. MAIN C.B.A. (FOIL SIDE)
9.2. MAIN C.B.A. (COMPONENT SIDE)
9.3. MAIN C.B.A. ADDRESS INFOMATION
9.4. MONITOR C.B.A.
9.5. FRONT C.B.A.

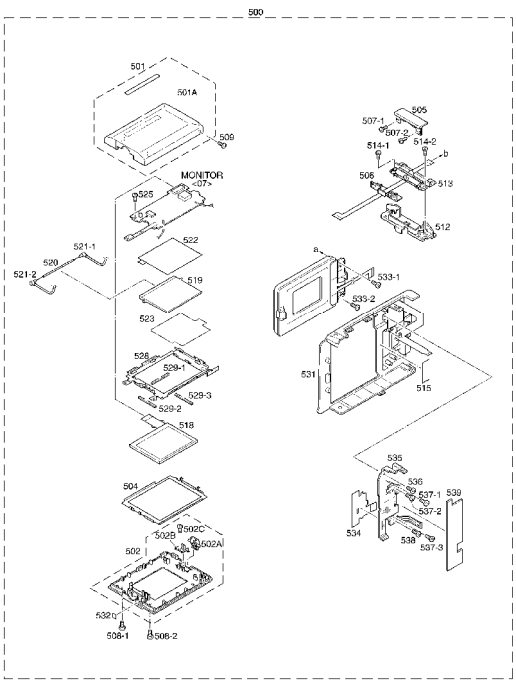
9.6. CCD C.B.A.

10. EXPLODED VIEWS

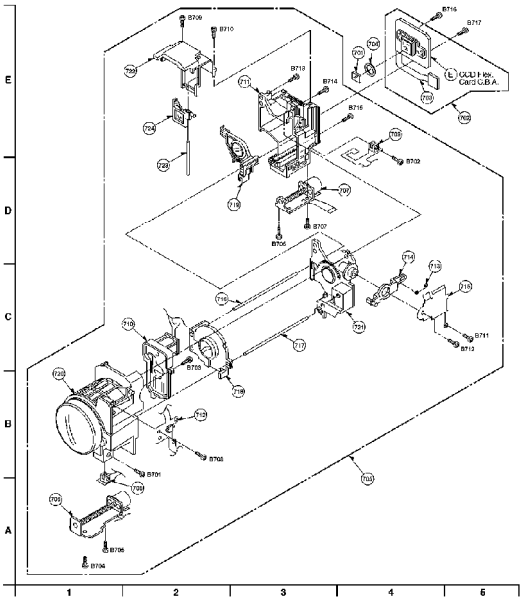
10.1. FRAME& CASING SECTION



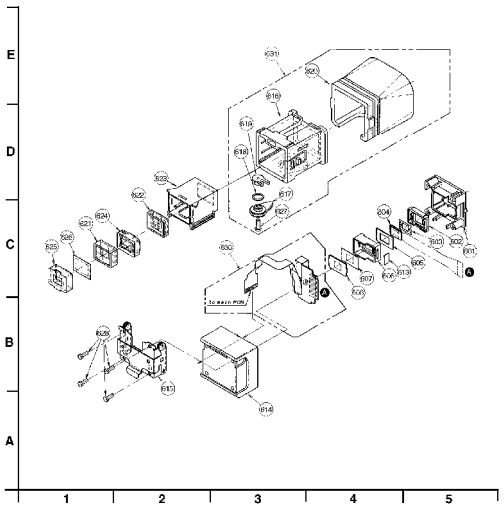
10.2. MONITOR SECTION



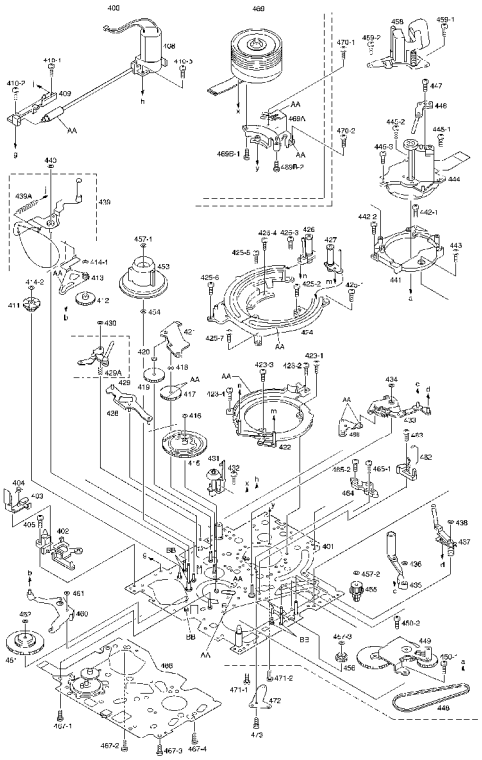
10.3. CAMERA LENS SECTION



10.4. EVF SECTION



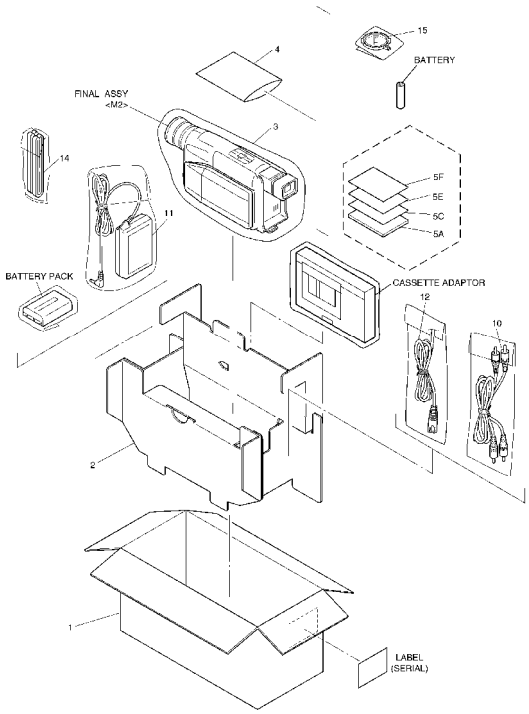
10.5. MECHANISM SECTION



Classification	Part No.	Symbol in drawing
Grease	VFK1740	AA
Oil	VFK0131	BB

NOTE: The section marked in **AA** and **BB** indicate lubrication and greasing areas.

10.6. PACKING PARTS& ACCESSORIES SECTION



11. REPLACEMENT PARTS LIST

11.1. MECHANICAL REPLACEMENT PARTS LIST

Note: 1.* Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE
Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

11.1.1. FRAME& CASING SECTION PARTS LIST

Ref. No.	Part No.	Part Name & Description	Remarks
101	LY20817-012B	CASETTE COVER(M)ASSY	
101A	LY32392-001A	PUSH PLATE(M)	
101B	LY43340-001B	LABEL(CAUTION)	
101C	LY43336-001A	SPRING	
101D-1	YQ43762	SPECIAL SCREW	
101D-2	YQ43762	SPECIAL SCREW	
102	QYSLSF2050D	SCREW	
104-1	QYSLSF2050D	SCREW	
104-2	QYSLSF2050D	SCREW	
105	QYSLSP2040D	SCREW	
106-1	QYSLSF2060D	SCREW	
106-2	QYSLSF2060D	SCREW	
107	QYSLSF2050D	SCREW	
110	LY10319-004A	SIDE CASE(L)ASSY	
111	QAS0061-001	SPEAKER	
112	LY42764-001B	HOLDER(SPEAKER)	
113	QYSLSF2050D	SCREW	
114-1	QYSLSF2060D	SCREW	
114-2	QYSLSF2060D	SCREW	
115	QYSLSF2060D	SCREW	
116	QYSLSP2040D	SCREW	
117	QYSLSF2060D	SCREW	
118	QYSLSF2050D	SCREW	
119	QYSLSP20A0N	SCREW	
120	QYSLSF2060N	SCREW	
121	LY32397-002B	COVER(EVR)	
130	LY20779-002C	REAR UNIT	
131	QYSLSF2060D	SCREW	
135	LY20825-004B	FRONT COVER ASSY	
135A	LY32393-001A	HOOD(SCREW)	
135B	LY32982-001B	RING	
135C-1	LY30018-0E7A	SPECIAL SCREW	
135C-2	LY30018-0E7A	SPECIAL SCREW	
135D	LY32983-001A	0-LUX KNOB	
135E	LY32476-001A	O-LUX HOLDER	
135F-1	LY30018-0E8A	SPECIAL SCREW	
135F-2	LY30018-0E8A	SPECIAL SCREW	
135G	LY32984-001A	HOOD PIECE	
135H	LY32985-001A	LENS HOOD	
136-1	QYSLSF2050D	SCREW	
136-2	QYSLSF2050D	SCREW	
136-3	QYSLSF2050D	SCREW	
137	LY43415-001A	SHEET(FRONT PWB)	
138	QUQ105-1005A	FFC WIRE,MAIN-FRONT	
140	LY10305-002B	MAIN FRAME	
141	LY20785-001A	MECHA SUPPORT	
142	QYSPSPU1720Z	SCREW	

Ref. No.	Part No.	Part Name & Description	Remarks
143	QYSLSF2060D	SCREW	
144-1	QYSLSG1735Z	SCREW	
144-2	QYSLSG1735Z	SCREW	
145-1	QYSLSF2060D	SCREW	
145-2	QYSLSF2060D	SCREW	
146	QYSPSTU1725M	SCREW	
147-1	LY41173-001A	SPECIAL SCREW	
147-2	LY41173-001A	SPECIAL SCREW	
148	QYSPSPU1720Z	SCREW	
149	LY43493-001C	SHEET(FRM)	
150	QAL0395-001	FPC,MAIN-CCD	
155	LY31808-002B	CASSETTE HOUSING FINAL A	
156-1	LY42722-003A	SCREW	
156-2	LY42722-003A	SCREW	
156-3	LY42722-003A	SCREW	
156-4	LY42722-003A	SCREW	
157	LY32402-001A	CASSETTE COVER INSIDE	
159	LY44193-001A	FRONT FRAME ASSY	
160-1	SPSH1725M	SCREW	
160-2	SPSH1725M	SCREW	
161	LY32326-001A	BRAKET(MECHA)	
162-1	LY42722-003A	SCREW	
162-2	LY42722-003A	SCREW	
163	QYSLSF1750D	SCREW	
164	LY31807-001A	SIDE BRACKET L	
165	LY42722-003A	SCREW	
253-1	LY30018-0F2A	SPECIAL SCREW	
253-2	LY30018-0F2A	SPECIAL SCREW	

11.1.2. MONITOR SECTION PARTS LIST

Ref. No.	Part No.	Part Name & Description	Remarks
500	LY21016-001A	MONITOR ASSY	
501	LY21015-001C	MONITOR COVER ASSY	
501A	LY32989-001A	WINDOW(M)	
502	LY20822-003A	MONITOR CASE ASSY	
502A	LY32470-001A	LOCK SPRING	
502B	LY20823-001A	LOCK LEVER	
502C	QYSLSF2050Z	SCREW	
504	LY20814-001A	SHIELD CASE(2.5)	
505	LY32399-002A	HINGE COVER(U)	
506	LY32400-002A	HINGE COVER(L)	
507-1	LY30018-0E9A	SPECIAL SCREW	
507-2	LY30018-0E9A	SPECIAL SCREW	
508-1	QYSLSF2060D	SCREW	
508-2	QYSLSF2060D	SCREW	
509	QYSLSP2030N	SCREW	
512	LY20793-002B	HOLDER(HINGE)	
513	LY32398-001B	HINGE ASSY	
514-1	QYSPSF2060D	SCREW	
514-2	QYSPSF2060D	SCREW	
515	LY30029-0S9A	SPACER(A)	
518	QLD0275-001	LCD MODULE	
519	LY43938-001A	LIGHT SCREEN	
520	QLL0142-001	LAMP	
521-1	LY43936-001A	HOLDER(LAMP)	
521-2	LY43936-001A	HOLDER(LAMP)	
522	LY43396-001A	SHEET(REFLECT)	
523	LY43362-001A	DIFFUSION SHEET(2.5)	
525	QYSLSP2030N	SCREW	
528	LY20798-001B	LCD FRAME(2.5)	
529-1	LY30029-0R5A	SPACER(A)	
529-2	LY30029-0R5A	SPACER(A)	
529-3	LY30029-0R5A	SPACER(A)	
531	LY10321-003B	SIDE CASE(R)ASSY	
532	LY43506-001A	SHEET(MONITOR SENSOR)	
533-1	QYSPSF2080D	SCREW	
533-2	QYSPSF2080D	SCREW	
534	LY43286-001A	SHEET(FPC)	
535	LY20794-001C	BRAKET(SIDE CASE R)	
536	QYSLSP2030N	SCREW	
537-1	QYSPSF2080D	SCREW	
537-2	QYSPSF2080D	SCREW	
537-3	QYSPSF2080D	SCREW	
538	QYSLSP20A0N	SCREW	
539	LY43539-001B	SHEET(SIDE CASE)	

11.1.3. CAMERA LENS SECTION PARTS LIST

Ref. No.	Part No.	Part Name & Description	Remarks
701	VDL1236	CRYSTAL FILTER	
702	VEK9376	CCD U.	
703	VJB22322	CCD FLEX.	
704	VMX3070	CCD CUSHION	
705	VXW0512	LENS U.	
706	10S1F10F6NF	ZOOM MOTOR U.	
707	10S1F10F7NF	FOCUS MOTOR U.	
708	CNA1302KR0SL	PHOTOSENSOR	
709	CNA1302KR0SL	PHOTOSENSOR	
710	L9ZZ00000184	IRIS U.	
711	VDW0740	MASTER FLANGE	
712	VEK9365	LENS FLEX. U.	
713	VMB3504	F SPRING	
714	VML3592	LEVER	
715	VMP6769	PROTECT SHEET	
716	VMS6943	GUIDE POLE	
717	VMS6943	GUIDE POLE	
718	VXP2122	2ND MOVING FRAME U.	
719	VXP2124	4TH MOVING FRAME U.	
720	VXQ1010	MAIN FRAME U.	
721	VXQ1011	3RD MOVING FRAME U.	
722	VDW0742	F FIX FRAME	
723	VMS6838	F GUIDE POLE	
724	VXQ1012	F FRAME U.	
B701	VHD0852	SCREW	
B702	VHD0852	SCREW	
B703	XQN16+CJ5	SCREW	
B704	XQN16+CJ5	SCREW	
B705	XQN16+CJ5	SCREW	
B706	XQN16+CJ5	SCREW	
B707	XQN16+CJ5	SCREW	
B708	XQN16+CJ5	SCREW	
B709	XQN16+CJ5	SCREW	
B710	XQN16+CJ5	SCREW	
B711	XQN16+CJ5	SCREW	
B712	XQN16+CJ5	SCREW	
B713	XQN16+CJ8	SCREW	
B714	XQN16+CJ8	SCREW	
B715	XQN16+CJ8	SCREW	
B716	XQN16+CJ6	SCREW	
B717	XQN16+CJ6	SCREW	

11.1.4. EVF SECTION PARTS LIST

Ref. No.	Part No.	Part Name & Description	Remarks
601	VJF1441	EVF HOLD PIECE	
602	VGQ6439	PANEL HOLDER	
603	VGQ6438	EVF MASK	
604	L5BDAXG00004	LCD PANEL U.	
605	VGQ6440	DOUBLE-SIDED TAPE	
606	VGQ6441	BL HOLDER	
607	VGQ6442	POLARIZING PLATE 2	
608	VGQ6443	DIFFUSION PLATE	
613	VGQ6462	FIXING TAPE	
614	VKM5320	EVF CASE	
615	VXA6823	EVF HINGE U.	
616	VGQ5557	EYE CAP HOLDER	
617	VGQ5559	EYE CORRECT LEVER	
618	VGQ5726	EYE CORRECT WASHER	
619	VGQ6024	EYE CORRECT PIECE	
620	VMG1272	EYE CAP	
621	VDL1162	EVF LENS A	
622	VDL1163	EVF LENS B	
623	VGQ6486	EVF LENS HOLDER	
624	VGQ6026	LENS SPACER BACK	
625	VGQ6027	LENS SPACER FRONT	
626	VGQ6437	POLARIZING PLATE 1	
627	XQN16+BJ5FZ	SCREW (LEVER)	
628	XQN2+BJ5FZ	SCREW (CASE)	
630	VEP000W2A	EVF FLEX. CARD	
631	VYQ2303	EYE CAP HOLDER U.	

11.1.5. MECHANISM SECTION PARTS LIST

Ref. No.	Part No.	Part Name & Description	Remarks
400	YMA0042A-E	MECHA(B) ASS'Y	
401	LY20612-001B	MAIN DECK ASSY	
402	LY31817-001A	CASSETTE GUIDE (LEFT)	
403	LY31815-001A	SW LEVER (LEFT)	
404	LY42581-001A	TORSION SPRING	
405	LY42722-001A	SCREW	
408	LY31826-001A	MOTOR BRACKET ASSY	
409	LY20951-001A	WORM BRACKET	
410-1	LY42722-001A	SCREW	
410-2	LY42722-001A	SCREW	
410-3	LY42722-001A	SCREW	
411	LY31925-001A	WHEEL GEAR	
412	LY42730-001A	MIDDLE GEAR	
413	LY42521-001A	CANCEL LEVER ASSY	
414-1	LY42754-003A	SLIT WASHER	
414-2	LY42754-003A	SLIT WASHER	
415	YQ20827-2-1	CONTROL CAM	
416	PQM30017-25	SLIT WASHER	
417	LY42733-001A	LOAEDING GEAR(T)ASSY	
418	LY42754-003A	SLIT WASHER	

Ref. No.	Part No.	Part Name & Description	Remarks
419	LY42732-001A	LOADING GEAR(S)ASSY	
420	LY42754-003A	SLIT WASHER	
421	LY42403-001A	COVER PLATE	
422	LY42452-001A	LOADING RING ASSY	
423-1	LY42728-001A	SCREW	
423-2	LY42728-001A	SCREW	
423-3	LY42728-001A	SCREW	
423-4	LY42728-001A	SCREW	
424	LY10239-001A	GUIDE RAIL	
425-1	LY42728-001A	SCREW	
425-2	LY42728-001A	SCREW	
425-3	LY42728-001A	SCREW	
425-4	LY42728-001A	SCREW	
425-5	LY42728-001A	SCREW	
425-6	LY42728-001A	SCREW	
425-7	LY42728-001A	SCREW	
426	LY30161-001B	POLE BASE(S)ASSY	
427	LY30162-002A	POLE BASE(T)ASSY	
428	LY42523-001A	DRIVE LEVER ASSY	
429	LY44000-001B	SLANT ARM ASSY	
429A	LY43992-001A	TORSION SPRING (S)	
430	LY42754-003A	SLIT WASHER	
431	LY42739-003A	ROLLER BASE ASSY	
432	LY42722-001A	SCREW	
433	LY42494-001A	LINK ARM ASSY	
434	PQM30017-25	SLIT WASHER	
435	LY40018-002A	PINCH ROLLER ARM ASSY	
436	PQM30017-25	SLIT WASHER	
437	LY42541-001B	TAKE UP GUIDE ARM ASSY	
438	LY42754-003A	SLIT WASHER	
439	LY42571-001A	TENSION ARM ASSY	
439A	LY42669-001A	TENSION SPRING	
440	LY42754-003A	SLIT WASHER	
441	YQ20797-1-5	MOTOR BASE	
442-1	LY42722-001A	SCREW	
442-2	LY42722-001A	SCREW	
443	YQ44460	SCREW	
444	QAR0212-002	CAPSTAN MOTOR	
445-1	YQ44304	TAPPING SCREW	
445-2	YQ44304	TAPPING SCREW	
445-3	YQ44304	TAPPING SCREW	
446	LY42731-001A	SLANT POLE BASE ASSY	
447	YQ44304	TAPPING SCREW	
448	YQ43710-2	TIMING BELT	
449	LY42678-003A	CENTER PULLEY UNIT	
450-1	LY42722-002A	SCREW	
450-2	LY42722-002A	SCREW	
451	LY42670-001A	SUPPLY CLUTCH ASSY	
452	LY42754-003A	SLIT WASHER	
453	YQ31861-1-7	REEL DISC	
454	LY42755-001A	WASHER	
455	LY31924-001A	TAKE UP GEAR	
456	LY42738-001A	BRAKE SUB GEAR	
457-1	LY42754-003A	SLIT WASHER	

Ref. No.	Part No.	Part Name & Description	Remarks
457-2	LY42754-003A	SLIT WASHER	
457-3	LY42754-003A	SLIT WASHER	
458	LY42544-002A	A/C HEAD UNIT	
459-1	SPSN1750Z	SCREW	
459-2	SPSN1750Z	SCREW	
460	LY42517-001A	EJECT LEVER ASSY	
461	LY42754-003A	SLIT WASHER	
462	YQ31833-1-1	LED GUIDE	
463	LY42722-001A	SCREW	
464	LY42729-001A	DRUM SPACER	
465-1	LY42722-001A	SCREW	
465-2	LY42722-001A	SCREW	
466	QSW0888-002	ROTARY ENCODER	
467-1	LY42722-002A	SCREW	
467-2	LY42722-002A	SCREW	
467-3	LY42722-002A	SCREW	
467-4	LY42722-002A	SCREW	
468	LY31814-001A	LINK LEVER	
469	YDV2099C	DRUM ASSY	
469A	YDM1003-1-5	CATCHER	
469B-1	QYSPSPU1735M	SCREW	
469B-2	QYSPSPU1735M	SCREW	
470-1	LY42722-001A	SCREW	
470-2	LY42722-001A	SCREW	
471-1	SPSH1740Z	SCREW	
471-2	SPSH1740Z	SCREW	
472	LY43542-001A	BRUSH	
473	LY42722-003A	SCREW	

11.1.6. PACKING PARTS& ACCESSORIES SECTION PARTS LIST

Ref. No.	Part No.	Part Name & Description	Remarks
1	LY33263-003A	PACKING CASE	VZ17EG
1	LY33263-005A	PACKING CASE	VZ17B
1	LY33263-007A	PACKING CASE	VZ17EGM
1	LY33263-009A	PACKING CASE	VZ17EGE
1	LY33261-005A	PACKING CASE	VZ17EM/EN
2	LY32404-001B	CUSHION	
3	LY32726-001A	POLY BAG	
4	LY32909-001A	POLY BAG(PANA2)	VZ17EM/EN
4	LY32757-001A	POLY BAG(PANA)	
5A	VQT0A87	IB(GE.FR.DU.IT)	⚠VZ17EG
5A	VQT0A88	IB(PT.SP.SW.DA)	⚠VZ17EGM
5A	VQT0A89	IB(EN.CZ.PO.HU)	⚠VZ17EGE
5A	VQT0A90	IB(EN)	⚠VZ17B
5A	VQT0A91	IB(EN.CH.RU.AR)	⚠VZ17EM
5C	VQA0535	WARRANTY C.(W)	VZ17B/EG/EGE / /EGM
5E	RQA0117	WARRANTY C.(E)	VZ17B/EG/EGE / /EGM
5F	VQC1789	SHEET(CONSUMER)	VZ17B
10	PEAC0362-150	CABLE ASSY(A/V)	VZ17B/EG/EGM
11	LY20967-002B	AC ADAPTER	⚠ / VZ17EM/EN / VSK0633
11	LY20967-001B	AC ADAPTER	⚠ / VZ17B/EG/EGE / /EGM / VSK0632
12	QMPL120-190	POWER CORD	⚠ / VZ17EG/EGE/ / EGM/EM /EN
12	QMPP110-190	POWER CORD	⚠VZ17B
14	LY43550-001A	SHOULDER STRAP	
15	LY20839-001A	HOODCAP ASSY	

11.2. ELECTRICAL REPLACEMENT PARTS LIST

Note: 1. Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE : Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
3. Unless otherwise specified,
All resistors are in OHMS , K=1,000 OHMS. All capacitors are in MICRO-FARADS(uf) , P=uuF.
4. The P.C.Board units marked width"■"show below the main assembled parts.
5. The marking(RTL) indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.

Ref. No.	Part No.	Part Name & Description	Remarks
PW1	YB10401EB103	MAIN BOARD ASSEMBLY	RTL
PW1	YB20917EB-02	FRONT BORD ASSY	RTL
PW1	YB20935C-01	MONITOR BOARD ASSY	RTL
■	YB10401EB103	MAIN BOARD ASSEMBLY	(RTL)
C103	NBE20JM-106X	TA E CAPACITOR	
C104	NCB31EK-103X	CAPACITOR	
C105	NCB21CK-224X	CAPACITOR	
C107	NCB31EK-103X	CAPACITOR	
C108	NBE21AM-225X	TA E CAPACITOR	
C109	NBE20JM-106X	TA E CAPACITOR	
C110	NDC31HJ-101X	CAPACITOR	
C112	NEA70JM-226X	E CAPACITOR	
C113	NCB31EK-103X	CAPACITOR	
C114	NCB31EK-103X	CAPACITOR	
C115	NCF31EZ-104X	CAPACITOR	
C116	NCB31EK-103X	CAPACITOR	
C118	NCF31EZ-104X	CAPACITOR	
C119	NCB31EK-103X	CAPACITOR	
C120	NCB31EK-103X	CAPACITOR	
C121	NCF31EZ-104X	CAPACITOR	
C122	NCF31EZ-104X	CAPACITOR	
C123	NDC31HJ-100X	CAPACITOR	
C124	NDC31HJ-100X	CAPACITOR	
C125	NCB31EK-103X	CAPACITOR	
C126	NDC31HJ-100X	CAPACITOR	
C127	NCB31CK-333X	CAPACITOR	
C128	NCB21CK-474X	CAPACITOR	
C129	NCB31CK-333X	CAPACITOR	
C131	NCF31EZ-104X	CAPACITOR	
C132	NCF31EZ-104X	CAPACITOR	
C133	NCF31EZ-104X	CAPACITOR	
C134	NCF31EZ-104X	CAPACITOR	
C138	NCB31EK-103X	CAPACITOR	
C140	NCB31EK-103X	CAPACITOR	
C142	NDC31HJ-3R0X	CAPACITOR	
C1201	NCB31HK-102X	CAPACITOR	
C1202	NBE20JM-106X	TA E CAPACITOR	
C1205	NCB31EK-153X	CAPACITOR	
C1206	NBE20JM-106X	TA E CAPACITOR	
C1601	NCB21EK-104X	CAPACITOR	
C1602	NCB30JK-105X	CAPACITOR	
C1603	NCB31EK-103X	CAPACITOR	
C1604	NCB31EK-103X	CAPACITOR	
C1605	NCB31EK-103X	CAPACITOR	
C1606	NCB21EK-104X	CAPACITOR	
C1607	NCB21CK-474X	CAPACITOR	
C1608	NCB31HK-332X	CAPACITOR	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
C1609	NBE20JM-106X	TA E CAPACITOR	
C1610	NCB31HK-681X	CAPACITOR	
C1611	NCB31CK-104X	CAPACITOR	
C1612	NCB21CK-105X	CAPACITOR	
C1613	NCB31CK-333X	CAPACITOR	
C1614	NCB31CK-104X	CAPACITOR	
C1615	NCB31CK-104X	CAPACITOR	
C1616	NCB31CK-104X	CAPACITOR	
C1617	NCB31CK-104X	CAPACITOR	
C1618	NCB31CK-104X	CAPACITOR	
C1619	NCB31CK-104X	CAPACITOR	
C1620	NBE21AM-106X	TA E CAPACITOR	
C1621	NBP51EM-106X	TA E CAPACITOR	
C1622	NDC31HJ-101X	CAPACITOR	
C1623	NCB31CK-224X	CAPACITOR	
C1624	NBE20JM-106X	TA E CAPACITOR	
C2001	NBE20JM-106X	TA E CAPACITOR	
C2002	NFV91HJ-183X	MPPS CAPACITOR	
C2003	NDC31HJ-331X	CAPACITOR	
C2004	NBE20JM-226X	TA E CAPACITOR	
C2005	NCB21CK-105X	CAPACITOR	
C2021	NCB31EK-103X	CAPACITOR	
C2022	NBE20JM-156X	TA E CAPACITOR	
C2023	NBP21CM-105X	TA E CAPACITOR	
C2024	NCB31HK-102X	CAPACITOR	
C2025	NCB21CK-105X	CAPACITOR	
C2026	NCB31HK-222X	CAPACITOR	
C2027	NCB21EK-333X	CAPACITOR	
C2028	NCB21CK-105X	CAPACITOR	
C2029	NCB21HK-472X	CAPACITOR	
C2031	NCB31CK-104X	CAPACITOR	
C2032	NCB31HK-472X	CAPACITOR	
C2033	NBE20JM-475X	TA E CAPACITOR	
C2034	NCB31CK-104X	CAPACITOR	
C2035	NBE20JM-226X	TA E CAPACITOR	
C2036	NBE20JM-106X	TA E CAPACITOR	
C2038	NCB21CK-474X	CAPACITOR	
C2040	NDC31HJ-680X	CAPACITOR	
C2051	NCB31EK-103X	CAPACITOR	
C2071	NBE20JM-106X	TA E CAPACITOR	
C2072	NCB31HK-222X	CAPACITOR	
C2401	NEA70GM-476X	E CAPACITOR	
C2402	NCB21CK-105X	CAPACITOR	
C2403	NBE20JM-475X	TA E CAPACITOR	
C2404	NCF31EZ-104X	CAPACITOR	
C3506	NCB31EK-103X	CAPACITOR	
C3507	NCB31EK-103X	CAPACITOR	
C3508	NCB31EK-103X	CAPACITOR	
C3509	NDC31HJ-221X	CAPACITOR	
C3510	NCB31CK-104X	CAPACITOR	
C3512	NCB10JK-106X	CAPACITOR	
C3513	NCB31CK-223X	CAPACITOR	
C3514	NCB30JK-105X	CAPACITOR	
C3515	NCB31EK-103X	CAPACITOR	

Ref. No.	Part No.	Part Name & Description	Remarks
C3516	NDC31HJ-100X	CAPACITOR	
C3902	NCB31EK-103X	CAPACITOR	
C3903	NDC31HJ-3R0X	CAPACITOR	
C4002	NCF31EZ-104X	CAPACITOR	
C4003	NCF31EZ-104X	CAPACITOR	
C4004	NCF31EZ-104X	CAPACITOR	
C4005	NCF31EZ-104X	CAPACITOR	
C4007	NCF31EZ-104X	CAPACITOR	
C4008	NCF31EZ-104X	CAPACITOR	
C4009	NDC31HG-100X	CAPACITOR	
C4010	NDC31HG-100X	CAPACITOR	
C4012	NCF31EZ-104X	CAPACITOR	
C4013	NCF31EZ-104X	CAPACITOR	
C4014	NCB31CK-104X	CAPACITOR	
C4015	NCF31EZ-104X	CAPACITOR	
C4016	NCB31CK-104X	CAPACITOR	
C4017	NCF31EZ-104X	CAPACITOR	
C4018	NCF31EZ-104X	CAPACITOR	
C4019	NCF31EZ-104X	CAPACITOR	
C4020	NCB31CK-104X	CAPACITOR	
C4021	NCF31EZ-104X	CAPACITOR	
C4023	NCF31EZ-104X	CAPACITOR	
C4026	NCB10JK-106X	CAPACITOR	
C4027	NCF31EZ-104X	CAPACITOR	
C4028	NCF31EZ-104X	CAPACITOR	
C4029	NCB31CK-104X	CAPACITOR	
C4030	NCF31EZ-104X	CAPACITOR	
C4031	NCB30JK-105X	CAPACITOR	
C4032	NCF31EZ-104X	CAPACITOR	
C4033	NCF31EZ-104X	CAPACITOR	
C4034	NCF31EZ-104X	CAPACITOR	
C4035	NCF31EZ-104X	CAPACITOR	
C4036	NCF31EZ-104X	CAPACITOR	
C4037	NCF31EZ-104X	CAPACITOR	
C4038	NCF31EZ-104X	CAPACITOR	
C4039	NCF31EZ-104X	CAPACITOR	
C4040	NCF31EZ-104X	CAPACITOR	
C4041	NCB30JK-105X	CAPACITOR	
C4042	NCB30JK-105X	CAPACITOR	
C4045	NCB30JK-105X	CAPACITOR	
C4046	NDC31HJ-221X	CAPACITOR	
C4047	NCF31EZ-104X	CAPACITOR	
C4048	NCF31EZ-104X	CAPACITOR	
C4049	NCB10JK-106X	CAPACITOR	
C4201	NEA71HM-225X	E CAPACITOR	
C4202	NCF31EZ-104X	CAPACITOR	
C4203	NCB31CK-104X	CAPACITOR	
C4205	NCB31EK-103X	CAPACITOR	
C4206	NCB31CK-104X	CAPACITOR	
C4207	NCB31EK-103X	CAPACITOR	
C4208	NCB31CK-104X	CAPACITOR	
C4209	NCB31CK-104X	CAPACITOR	
C4210	NCF21CZ-105X	CAPACITOR	
C4211	NCB30JK-105X	CAPACITOR	

Ref. No.	Part No.	Part Name & Description	Remarks
C4212	NCB30JK-105X	CAPACITOR	
C4251	NEA71HM-335X	E CAPACITOR	
C4252	NCB31CK-104X	CAPACITOR	
C4253	NCB31EK-153X	CAPACITOR	
C4254	NCB31EK-153X	CAPACITOR	
C4256	NEA71CM-106X	E CAPACITOR	
C4501	NDC31HJ-330X	CAPACITOR	
C4502	NDC31HJ-330X	CAPACITOR	
C4503	NCB31CK-333X	CAPACITOR	
C4504	NCB31CK-333X	CAPACITOR	
C4505	NCB31CK-333X	CAPACITOR	
C4506	NCB31CK-333X	CAPACITOR	
C4507	NCB31CK-104X	CAPACITOR	
C4508	NCF31EZ-104X	CAPACITOR	
C4509	NBP21CM-106X	TA E CAPACITOR	
C4510	NCF31EZ-104X	CAPACITOR	
C4515	NCB11CK-225X	CAPACITOR	
C4516	NDC31HJ-101X	CAPACITOR	
C4702	NDC31HJ-270X	CAPACITOR	
C4703	NDC31HJ-5R0X	CAPACITOR	
C4704	NCB30JK-105X	CAPACITOR	
C4705	NCB31EK-103X	CAPACITOR	
C4706	NEA70GM-107X	E CAPACITOR	
C4707	NEA70JM-226X	E CAPACITOR	
C4708	NCF31EZ-104X	CAPACITOR	
C4709	NBE20JM-106X	TA E CAPACITOR	
C4716	NDC31HJ-270X	CAPACITOR	
C4717	NDC31HJ-5R0X	CAPACITOR	
C5201	NCB10JK-106X	CAPACITOR	
C5202	NCB10JK-106X	CAPACITOR	
C5203	NBP21CM-685X	TA E CAPACITOR	
C5204	NCB11EK-105X	CAPACITOR	
C5205	NCF31EZ-104X	CAPACITOR	
C5207	NCF31EZ-104X	CAPACITOR	
C5209	NCF31EZ-104X	CAPACITOR	
C5211	NCF31EZ-104X	CAPACITOR	
C5212	NCF31EZ-104X	CAPACITOR	
C5213	NCF31EZ-104X	CAPACITOR	
C5214	NCF31EZ-104X	CAPACITOR	
C5215	NDC31HJ-102X	CAPACITOR	
C5216	NCB21CK-105X	CAPACITOR	
C5218	NCB30JK-105X	CAPACITOR	
C5219	NDC31HJ-101X	CAPACITOR	
C5220	NCF31EZ-104X	CAPACITOR	
C5221	NDC31HJ-101X	CAPACITOR	
C5222	NCF31EZ-104X	CAPACITOR	
C5223	NCF31EZ-104X	CAPACITOR	
C5224	NCB11EK-105X	CAPACITOR	
C5225	NCF31EZ-104X	CAPACITOR	
C5226	NCF31EZ-104X	CAPACITOR	
C5231	NCB31CK-104X	CAPACITOR	
C6002	NEA71EM-106X	E CAPACITOR	
C6004	NCF21CZ-105X	CAPACITOR	
C6005	NCB21CK-105X	CAPACITOR	

Ref. No.	Part No.	Part Name & Description	Remarks
C6006	NCB31EK-103X	CAPACITOR	
C6007	NCB21CK-105X	CAPACITOR	
C6008	NCB21CK-105X	CAPACITOR	
C6009	NDC31HJ-101X	CAPACITOR	
C6010	NCB21CK-224X	CAPACITOR	
C6011	NCB31EK-103X	CAPACITOR	
C6012	NCB21CK-224X	CAPACITOR	
C6013	NCB21CK-154X	CAPACITOR	
C6014	NCB31CK-104X	CAPACITOR	
C6015	NCB31CK-104X	CAPACITOR	
C6016	NCB31EK-473X	CAPACITOR	
C6017	NCF21CZ-105X	CAPACITOR	
C6018	NCB21CK-224X	CAPACITOR	
C6019	NCB11EK-105X	CAPACITOR	
C6020	NCB21CK-224X	CAPACITOR	
C6021	NCB31EK-103X	CAPACITOR	
C6022	NDC31HJ-101X	CAPACITOR	
C6023	NCB21CK-105X	CAPACITOR	
C6024	NCB21CK-105X	CAPACITOR	
C6101	NCB21CK-105X	CAPACITOR	
C6102	NCB10JK-106X	CAPACITOR	
C6105	NCB31HK-681X	CAPACITOR	
C6110	NCB31HK-152X	CAPACITOR	
C6201	NCB21CK-105X	CAPACITOR	
C6202	NCB10JK-106X	CAPACITOR	
C6203	NBE40JM-476X	TA E CAPACITOR	
C6205	NCB31HK-472X	CAPACITOR	
C6210	NCB31HK-472X	CAPACITOR	
C6301	NCB11CK-225X	CAPACITOR	
C6302	NCB10JK-106X	CAPACITOR	
C6303	NBE40JM-476X	TA E CAPACITOR	
C6305	NCB31HK-561X	CAPACITOR	
C6307	NEA71CM-106X	E CAPACITOR	
C6310	NCB31HK-102X	CAPACITOR	
C6401	NCB21CK-105X	CAPACITOR	
C6402	NCF21CZ-105X	CAPACITOR	
C6501	NCB21CK-105X	CAPACITOR	
C6502	NCF21CZ-105X	CAPACITOR	
C6602	NCF21CZ-105X	CAPACITOR	
C6603	NCB11EK-105X	CAPACITOR	
C6606	NCB11EK-105X	CAPACITOR	
C6607	NCF21CZ-105X	CAPACITOR	
C6610	NCB31EK-103X	CAPACITOR	
C6616	NCB21CK-105X	CAPACITOR	
C6622	NCB21CK-105X	CAPACITOR	
C6701	NCB21CK-105X	CAPACITOR	
C6702	NCB41CK-106X	CAPACITOR	
C6711	NCB31HK-472X	CAPACITOR	
C6802	NCF21CZ-105X	CAPACITOR	
C6803	NCB31CK-104X	CAPACITOR	
C6811	NCB21CK-105X	CAPACITOR	
C7001	NBP41EM-475X	TA E CAPACITOR	
C7002	NCB31EK-103X	CAPACITOR	
C7003	NBE20JM-106X	TA E CAPACITOR	

Ref. No.	Part No.	Part Name & Description	Remarks
C7004	NCB31EK-103X	CAPACITOR	
C7005	NCB31EK-103X	CAPACITOR	
C7006	NCB11EK-105X	CAPACITOR	
C7007	NCB11EK-105X	CAPACITOR	
C7008	NCB11EK-105X	CAPACITOR	
C9301	NDC31HJ-181X	CAPACITOR	
C9302	NCF31EZ-104X	CAPACITOR	
C9303	NCF31EZ-104X	CAPACITOR	
C9304	NCB21CK-105X	CAPACITOR	
C9305	NCB31CK-223X	CAPACITOR	
C9306	NCB31EK-103X	CAPACITOR	
C9307	NCB21EK-104X	CAPACITOR	
C9308	NCF31EZ-104X	CAPACITOR	
C9309	NCF31EZ-104X	CAPACITOR	
C9310	NCZ1042-475X	CAPACITOR	
C9311	NCF31EZ-104X	CAPACITOR	
C9312	NCB31HK-102X	CAPACITOR	
C9314	NCB31CK-104X	CAPACITOR	
C9315	NCB31CK-104X	CAPACITOR	
C9318	NCB11EK-105X	CAPACITOR	
C9320	NCB11EK-105X	CAPACITOR	
C9322	NCB31CK-104X	CAPACITOR	
C9601	NCB31CK-333X	CAPACITOR	
CN1	QGF0507F3-10	FFC/FPC CONNECTOR	
CN2	QGF0508F1-14	FPC CONNECTOR	
CN3	QGF0505F2-18	FPC CONNECTOR	
CN4	QGA1201F2-02	W TO B CONNECTOR	
CN5	QGF0507F3-11	FFC/FPC CONNECTOR	
CN7	QGF0507F3-11	FFC/FPC CONNECTOR	
CN8	QGA1201C2-02	W TO B CONNECTOR	
CN15	QGF0505F2-22	FPC CONNECTOR	
CN16	QGF0508F1-25	FPC CONNECTOR	
CN18	QGF0503C1-13	FFC/FPC CONNECTOR	
CN22	QGF0507F3-14	FFC/FPC CONNECTOR	
CN25	QGB0801M1-22	B TO B CONNECTOR	
CN27	QGA1201C2-02	W TO B CONNECTOR	
CN28	QGA1002F1-10	W TO B CONNECTOR	
CN9012	QGF0505F2-20	FPC CONNECTOR	
CN9013	QGF0524F1-16	FFC/FPC CONNECTOR	
CN9031	QGF0507F3-10	FFC/FPC CONNECTOR	
D101	SB007W03Q	SB DIODE	⚠
D102	UDZS7.5B	ZENER DIODE	
D103	1SS355	DIODE	B0ACCK000005
D104	1SS355	DIODE	B0ACCK000005
D5201	1SS355	DIODE	B0ACCK000005
D6301	RB160M-30-X	SB DIODE	
D6601	RB480Y	SB DIODE	
D6602	RB480Y	SB DIODE	
D6616	UDZS7.5B	ZENER DIODE	
D6701	CRS09	SB DIODE	
D6702	CRS09	SB DIODE	
D9301	MA111TX	DIODE	MA2J11100L

Ref. No.	Part No.	Part Name & Description	Remarks
F6001	NMFZ007-2R0X	FUSE	⚠
F6002	NMFZ007-1R25	FUSE	⚠
F6003	NMFZ007-R40X	FUSE	⚠
F6005	NMFZ007-1R25	FUSE	⚠
F6006	NMFZ015-2R0X	FUSE	⚠
F6007	NMFZ007-1R25	FUSE	⚠
F6008	NMFZ007-1R25	FUSE	⚠
IC101	D703039-053	IC(MICRO C ROM)	
IC102	CAT25C16SI	IC	
IC103	RS5C314	IC	
IC104	BD4827FVE	IC	
IC1601	LB11955WA	IC	⚠
IC1602	TA75S393F	IC	C0BBAB000005
IC2001	MC74AC04DT	IC	
IC2401	NJM2149V	IC	
IC3501	HA118224F	IC	
IC4001	JCY0140-3	IC	
IC4003	D6467GR-531	IC(MICRO C ROM)	
IC4201	BA10324AF	IC	
IC4202	BA10324AF	IC	
IC4501	UPD16835AGS	IC	
IC4701	MM1512XN	IC	
IC5201	HD49335F	IC	
IC5202	MN31121SA	IC	
IC6001	FA7706F	IC	
IC6002	XC6202P33P	IC	
IC9301	MCVVQ111AFB	IC	
J101	QAB0050-001	LI BATTERY	⚠
J504	LY33041-001A	JACK UNIT	
L101	NQL365K-220X	COIL	
L1601	NQL144M-1R0X	COIL	
L1602	NQL144K-100X	COIL	
L2001	NQL144K-470X	COIL	
L2003	NQL034K-470X	COIL	
L2004	NQR0406-003X	FERRATE BEADS	
L2005	NQR0406-003X	FERRATE BEADS	
L2021	NQL315K-470X	COIL	
L2022	NQR0406-003X	FERRATE BEADS	
L2023	NQR0406-003X	FERRATE BEADS	
L2051	NRSA63J-0R0X	MG RESISTOR	
L2052	NRSA63J-0R0X	MG RESISTOR	
L2071	NRSA63J-0R0X	MG RESISTOR	
L2072	NRSA63J-0R0X	MG RESISTOR	
L2401	NQL315K-470X	COIL	
L3502	NQL315K-220X	COIL	
L3503	NQL085J-5R6X	COIL	
L4001	NQL365K-220X	COIL	⚠

Ref. No.	Part No.	Part Name & Description	Remarks
L4002	NQL365K-220X	COIL	⚠
L4201	NQR0006-001X	FERRATE BEADS	
L4501	NQR0006-001X	FERRATE BEADS	
L4503	NQL034K-101X	COIL	
L4701	NQL365K-220X	COIL	
L5201	NQL315K-220X	COIL	
L5202	NQL315K-220X	COIL	
L5203	NQL315K-220X	COIL	
L5204	NQL315K-220X	COIL	
L5205	NQR0129-002X	FERRATE BEADS	
L5206	NQR0129-002X	FERRATE BEADS	
L6001	NQL64EM-100X	COIL	
L6002	NQL64EM-100X	COIL	
L6101	NQL64EM-330X	COIL	
L6201	NQL64EM-470X	COIL	
L6301	NQL52EM-220X	COIL	
L6302	NQR0006-001X	FERRATE BEADS	
L6401	NQLZ011-470X	COIL	
L6501	NQLZ011-470X	COIL	
L6601	NQLZ011-221X	COIL	
L6701	NQL73EM-100X	COIL	
L7001	NQL365K-220X	COIL	
L7002	NQL365K-220X	COIL	
L9303	NQR0006-001X	FERRATE BEADS	
L9401	NRSA63J-0R0X	MG RESISTOR	
OT1	WJV0039-001A	E-PRIMARY WIRE	
OT2	LY30016-049A	SPACER-A	
OT3	PU59915-105	#500SPACER0.01	
Q101	2SA1774-RS	TRANSISTOR	
Q102	DTC144EE	DIGI TRANSISTOR	
Q103	2SC4617-QR	TRANSISTOR	
Q105	2SC4617-RS	TRANSISTOR	
Q108	DTC114EE	DIGI TRANSISTOR	
Q109	DTC114EE	DIGI TRANSISTOR	
Q1601	2SD1664-QR	TRANSISTOR	
Q2001	DTA114TE	DIGI TRANSISTOR	
Q2007	PUMX1	PAIR TRANSISTOR	
Q2008	PUMT1	PAIR TRANSISTOR	
Q2021	DTC144EE	DIGI TRANSISTOR	
Q2022	DTC144EE	DIGI TRANSISTOR	
Q2023	2SC4617-QR	TRANSISTOR	
Q2071	2SC4617-QR	TRANSISTOR	
Q2401	DTC144EE	DIGI TRANSISTOR	
Q3501	HN1C01FU/G/	PAIR TRANSISTOR	
Q3502	HN1C01FU/G/	PAIR TRANSISTOR	
Q3901	HN1A01FU/G/	PAIR TRANSISTOR	
Q4201	2SC4617-QR	TRANSISTOR	
Q4202	2SC4617-QR	TRANSISTOR	
Q4501	DTC114EE	DIGI TRANSISTOR	
Q4502	2SC4097-R	TRANSISTOR	
Q4503	2SB1122/S/-X	TRANSISTOR	
Q4504	2SA1577-R	TRANSISTOR	

[illegible]	[illegible]	[illegible]	

Ref. No.	Part No.	Part Name & Description	Remarks
Q4701	2SA1774-QR	TRANSISTOR	
Q4702	2SA1774-QR	TRANSISTOR	
Q6001	2SJ538	MOS FET	
Q6002	3LN01SS	MOS FET	
Q6003	2SA1577-R	TRANSISTOR	
Q6004	HN1A01FU/G/	PAIR TRANSISTOR	
Q6005	2SC4617-QR	TRANSISTOR	
Q6006	DTA144EE	DIGI TRANSISTOR	
Q6101	QS6U24	MOS FET	
Q6201	SSM5G01TU	MOS FET	
Q6301	FDC6506P	MOS FET	
Q6401	SSM5G01TU	MOS FET	
Q6501	SSM5G01TU	MOS FET	
Q6608	DTC144EE	DIGI TRANSISTOR	
Q6621	HN1C01FU/G/	PAIR TRANSISTOR	
Q6622	2SA1577-R	TRANSISTOR	
Q6701	RSQ035P03	MOS FET	
Q6802	DTA144EU	DIGI TRANSISTOR	
Q6811	2SA1577-R	TRANSISTOR	
Q7001	PUMX1	PAIR TRANSISTOR	
Q7002	PUMX1	PAIR TRANSISTOR	
Q7003	PUMX1	PAIR TRANSISTOR	
Q7301	2SA1774-QR	TRANSISTOR	
Q9101	2SC4617-QR	TRANSISTOR	
Q9102	2SC4617-QR	TRANSISTOR	
Q9103	2SC4617-QR	TRANSISTOR	
Q9104	2SC4617-QR	TRANSISTOR	
Q9105	2SC4617-QR	TRANSISTOR	
Q9106	DTC114EE	DIGI TRANSISTOR	
Q9107	DTC114EE	DIGI TRANSISTOR	
Q9303	DTC144EE	DIGI TRANSISTOR	
Q9901	HN1B01FU/G/	PAIR TRANSISTOR	
Q9902	HN1B01FU/G/	PAIR TRANSISTOR	
Q9903	2SC4617-RS	TRANSISTOR	
Q9904	2SC4617-RS	TRANSISTOR	
R101	NRSA63J-104X	MG RESISTOR	
R102	NRSA63J-331X	MG RESISTOR	
R103	NRSA63J-331X	MG RESISTOR	
R105	NRSA63J-103X	MG RESISTOR	
R106	NRSA63J-222X	MG RESISTOR	
R107	NRVA63D-153X	CMF RESISTOR	
R108	NRVA63D-243X	CMF RESISTOR	
R109	NRVA63D-183X	CMF RESISTOR	
R110	NRSA63J-103X	MG RESISTOR	
R111	NRSA63J-273X	MG RESISTOR	
R112	NRSA63J-331X	MG RESISTOR	
R113	NRSA63J-103X	MG RESISTOR	
R114	NRSA63J-332X	MG RESISTOR	
R115	NRSA63J-101X	MG RESISTOR	
R117	NRSA63J-102X	MG RESISTOR	
R118	NRSA63J-103X	MG RESISTOR	
R119	NRSA63J-103X	MG RESISTOR	
R120	NRSA63J-273X	MG RESISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
R121	NRSA63J-273X	MG RESISTOR	
R122	NRSA63J-393X	MG RESISTOR	
R123	NRSA63J-474X	MG RESISTOR	
R124	NRSA63J-222X	MG RESISTOR	
R125	NRSA63J-273X	MG RESISTOR	
R126	NRSA63J-153X	MG RESISTOR	
R127	NRSA63J-221X	MG RESISTOR	
R128	NRSA63J-102X	MG RESISTOR	
R129	NRSA63J-102X	MG RESISTOR	
R130	NRSA63J-105X	MG RESISTOR	
R131	NRSA63J-473X	MG RESISTOR	
R132	NRSA63J-222X	MG RESISTOR	
R133	NRSA63J-222X	MG RESISTOR	
R134	NRSA63J-331X	MG RESISTOR	
R135	NRSA63J-333X	MG RESISTOR	
R136	NRSA63J-474X	MG RESISTOR	
R137	NRSA63J-474X	MG RESISTOR	
R138	NRSA63J-333X	MG RESISTOR	
R139	NRSA63J-104X	MG RESISTOR	
R140	NRSA63J-753X	MG RESISTOR	
R141	NRSA63J-334X	MG RESISTOR	
R142	NRSA63J-103X	MG RESISTOR	
R143	NRSA63J-105X	MG RESISTOR	
R144	NRSA63J-221X	MG RESISTOR	
R145	NRSA63J-222X	MG RESISTOR	
R146	NRSA63J-222X	MG RESISTOR	
R147	NRSA63J-472X	MG RESISTOR	
R148	NRSA63J-222X	MG RESISTOR	
R149	NRSA63J-222X	MG RESISTOR	
R150	NRSA63J-222X	MG RESISTOR	
R151	NRSA63J-222X	MG RESISTOR	
R152	NRSA63J-474X	MG RESISTOR	
R153	NRSA63J-474X	MG RESISTOR	
R154	NRSA63J-222X	MG RESISTOR	
R155	NRSA63J-104X	MG RESISTOR	
R156	NRSA63J-102X	MG RESISTOR	⚠
R157	NRSA63J-0R0X	MG RESISTOR	
R161	NRSA63J-0R0X	MG RESISTOR	
R162	NRSA63J-0R0X	MG RESISTOR	
R163	NRSA63J-103X	MG RESISTOR	
R164	NRSA63J-221X	MG RESISTOR	
R165	NRSA63J-151X	MG RESISTOR	
R166	NRSA63J-105X	MG RESISTOR	
R167	NRSA63J-0R0X	MG RESISTOR	
R168	NRSA63J-0R0X	MG RESISTOR	
R169	NRSA63J-474X	MG RESISTOR	
R170	NRSA63J-474X	MG RESISTOR	
R171	NRSA63J-105X	MG RESISTOR	
R172	NRSA63J-0R0X	MG RESISTOR	
R173	NRSA63J-105X	MG RESISTOR	
R174	NRSA63J-331X	MG RESISTOR	
R175	NRSA63J-472X	MG RESISTOR	
R176	NRSA63J-222X	MG RESISTOR	
R177	NRSA63J-474X	MG RESISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
R178	NRSA63J-222X	MG RESISTOR	
R179	NRSA63J-474X	MG RESISTOR	
R180	NRSA63J-0R0X	MG RESISTOR	
R190	NRSA63J-221X	MG RESISTOR	
R1601	NRZ0072-R330	MG RESISTOR	
R1602	NRZ0072-R330	MG RESISTOR	
R1603	NRSA63J-153X	MG RESISTOR	
R1604	NRSA63J-153X	MG RESISTOR	
R1605	NRSA63J-102X	MG RESISTOR	
R1606	NRSA63J-104X	MG RESISTOR	
R1607	NRSA63J-471X	MG RESISTOR	
R1608	NRSA63J-154X	MG RESISTOR	
R1609	NRSA63J-471X	MG RESISTOR	
R1610	NRSA63J-104X	MG RESISTOR	
R1611	NRSA63J-153X	MG RESISTOR	
R1612	NRSA63J-153X	MG RESISTOR	
R1613	NRSA63J-104X	MG RESISTOR	
R1615	NRSA63J-152X	MG RESISTOR	
R1616	NRSA63J-152X	MG RESISTOR	
R1617	NRSA63J-153X	MG RESISTOR	
R1618	NRSA63J-153X	MG RESISTOR	
R1619	NRSA63J-334X	MG RESISTOR	
R1620	NRSA63J-221X	MG RESISTOR	
R1621	NRSA63J-331X	MG RESISTOR	
R1622	NRSA63J-152X	MG RESISTOR	
R1624	NRSA63J-333X	MG RESISTOR	
R1625	NRSA63J-123X	MG RESISTOR	
R1626	NRSA63J-103X	MG RESISTOR	
R1627	NRSA63J-223X	MG RESISTOR	
R1628	NRSA63J-103X	MG RESISTOR	
R1643	NRSA63J-0R0X	MG RESISTOR	
R2001	NRSA63J-104X	MG RESISTOR	
R2002	NRSA63J-332X	MG RESISTOR	
R2003	NRSA63J-102X	MG RESISTOR	
R2004	NRSA63J-681X	MG RESISTOR	
R2005	NRSA63J-272X	MG RESISTOR	
R2006	NRSA63J-102X	MG RESISTOR	
R2011	NRSA63J-101X	MG RESISTOR	
R2012	NRSA63J-101X	MG RESISTOR	
R2021	NRSA63J-103X	MG RESISTOR	
R2022	NRSA63J-334X	MG RESISTOR	
R2023	NRSA63J-820X	MG RESISTOR	
R2024	NRSA63J-183X	MG RESISTOR	
R2025	NRSA63J-823X	MG RESISTOR	
R2027	NRSA63J-102X	MG RESISTOR	
R2028	NRSA63J-102X	MG RESISTOR	
R2030	NRSA63J-104X	MG RESISTOR	
R2031	NRSA63J-332X	MG RESISTOR	
R2051	NRSA63J-102X	MG RESISTOR	
R2071	NRSA63J-473X	MG RESISTOR	
R2072	NRSA63J-562X	MG RESISTOR	
R2401	NRSA63J-392X	MG RESISTOR	
R2402	NRSA63J-222X	MG RESISTOR	
R2403	NRSA63J-103X	MG RESISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
R3501	NRSA63J-221X	MG RESISTOR	
R3502	NRSA63J-102X	MG RESISTOR	
R3506	NRSA63J-102X	MG RESISTOR	
R3507	NRSA63J-101X	MG RESISTOR	
R3508	NRSA63J-153X	MG RESISTOR	
R3901	NRSA63J-100X	MG RESISTOR	
R3902	NRSA63J-101X	MG RESISTOR	
R3903	NRSA63J-182X	MG RESISTOR	
R4001	NRSA63J-102X	MG RESISTOR	
R4002	NRSA63J-105X	MG RESISTOR	
R4003	NRSA63J-563X	MG RESISTOR	
R4004	NRSA63D-153X	MG RESISTOR	
R4009	NRSA63D-103X	MG RESISTOR	
R4010	NRSA63D-153X	MG RESISTOR	
R4015	NRSA63J-0R0X	MG RESISTOR	
R4019	NRSA63D-822X	MG RESISTOR	
R4020	NRSA63D-471X	MG RESISTOR	
R4021	NRSA63D-181X	MG RESISTOR	
R4022	NRSA63D-182X	MG RESISTOR	
R4025	NRSA63D-222X	MG RESISTOR	
R4026	NRSA63J-563X	MG RESISTOR	
R4027	NRSA63J-104X	MG RESISTOR	
R4028	NRSA63J-104X	MG RESISTOR	
R4029	NRSA63J-104X	MG RESISTOR	
R4030	NRSA63J-102X	MG RESISTOR	
R4031	NRSA63J-102X	MG RESISTOR	
R4032	NRSA63J-0R0X	MG RESISTOR	
R4033	NRSA63J-392X	MG RESISTOR	
R4034	NRSA63J-332X	MG RESISTOR	
R4035	NRSA63J-332X	MG RESISTOR	
R4037	NRSA63J-102X	MG RESISTOR	
R4038	NRSA63J-471X	MG RESISTOR	
R4039	NRSA63J-471X	MG RESISTOR	
R4040	NRSA63J-121X	MG RESISTOR	
R4201	NRSA63J-103X	MG RESISTOR	
R4202	NRSA63J-0R0X	MG RESISTOR	
R4203	NRSA63J-223X	MG RESISTOR	
R4204	NRSA63J-331X	MG RESISTOR	
R4205	NRSA63J-105X	MG RESISTOR	
R4206	NRSA63J-103X	MG RESISTOR	
R4207	NRSA63J-104X	MG RESISTOR	
R4208	NRSA63J-472X	MG RESISTOR	
R4209	NRSA63J-104X	MG RESISTOR	
R4210	NRSA63J-105X	MG RESISTOR	
R4211	NRSA63J-183X	MG RESISTOR	
R4214	NDC31HJ-101X	CAPACITOR	
R4215	NRSA63J-683X	MG RESISTOR	
R4216	NRSA63J-103X	MG RESISTOR	
R4217	NRSA63J-102X	MG RESISTOR	
R4218	NRSA63J-102X	MG RESISTOR	
R4219	NRSA63J-104X	MG RESISTOR	
R4220	NRSA63J-681X	MG RESISTOR	
R4221	NRSA63J-104X	MG RESISTOR	
R4222	NRSA63J-823X	MG RESISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
R4223	NRSA63J-303X	MG RESISTOR	
R4224	NRSA63J-223X	MG RESISTOR	
R4251	NRSA63J-182X	MG RESISTOR	
R4252	NRSA63J-103X	MG RESISTOR	
R4253	NRSA63J-103X	MG RESISTOR	
R4254	NRSA63J-684X	MG RESISTOR	
R4255	NRSA63J-222X	MG RESISTOR	
R4256	NRSA63J-824X	MG RESISTOR	
R4257	NRSA63J-822X	MG RESISTOR	
R4258	NRSA63J-104X	MG RESISTOR	
R4259	NRSA63J-683X	MG RESISTOR	
R4262	NRSA63J-302X	MG RESISTOR	
R4501	NRSA63J-4R7X	MG RESISTOR	⚠
R4502	NRSA63J-4R7X	MG RESISTOR	⚠
R4503	NRSA63J-4R7X	MG RESISTOR	⚠
R4504	NRSA63J-4R7X	MG RESISTOR	⚠
R4505	NRSA63J-103X	MG RESISTOR	
R4507	NRSA63J-103X	MG RESISTOR	
R4508	NRSA63J-223X	MG RESISTOR	
R4509	NRSA63J-182X	MG RESISTOR	
R4516	NRSA63J-101X	MG RESISTOR	
R4521	NRSA63J-222X	MG RESISTOR	
R4522	NRSA63J-102X	MG RESISTOR	
R4523	NRSA63J-473X	MG RESISTOR	
R4525	NRSA63J-203X	MG RESISTOR	
R4526	NRSA63J-103X	MG RESISTOR	
R4527	NRSA63J-0R0X	MG RESISTOR	
R4701	NRSA63D-561X	MG RESISTOR	
R4703	NRSA63J-681X	MG RESISTOR	
R4704	NRSA63J-122X	MG RESISTOR	
R4706	NRSA63D-680X	MG RESISTOR	
R4707	NRSA63D-561X	MG RESISTOR	
R4709	NRSA63J-681X	MG RESISTOR	
R4710	NRSA63J-122X	MG RESISTOR	
R5201	NRSA63J-0R0X	MG RESISTOR	
R5203	NRSA63J-105X	MG RESISTOR	
R5204	NRSA63J-105X	MG RESISTOR	
R5205	NRSA63J-105X	MG RESISTOR	
R5206	NRSA63J-105X	MG RESISTOR	
R5208	NRSA63J-333X	MG RESISTOR	
R5212	NRSA63J-104X	MG RESISTOR	
R5213	NRSA63J-0R0X	MG RESISTOR	
R5214	NRSA63J-121X	MG RESISTOR	
R5215	NRSA63J-0R0X	MG RESISTOR	
R5218	NRSA63J-100X	MG RESISTOR	
R5219	NRSA63J-222X	MG RESISTOR	
R5220	NRSA63J-220X	MG RESISTOR	
R5221	NRSA63J-220X	MG RESISTOR	
R6001	NRSA63J-104X	MG RESISTOR	
R6002	NRSA63J-333X	MG RESISTOR	
R6003	NRVA63D-103X	CMF RESISTOR	
R6004	NRVA63D-202X	CMF RESISTOR	
R6005	NRVA63D-153X	CMF RESISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
R6006	NRSA63J-564X	MG RESISTOR	
R6008	NRVA63D-103X	CMF RESISTOR	
R6009	NRSA63J-124X	MG RESISTOR	
R6010	NRSA63J-102X	MG RESISTOR	
R6012	NRSA63J-103X	MG RESISTOR	
R6014	NRSA63J-304X	MG RESISTOR	
R6015	NRSA63J-104X	MG RESISTOR	
R6016	NRVA63D-104X	CMF RESISTOR	
R6018	NRSA63J-0R0X	MG RESISTOR	
R6019	NRSA63J-124X	MG RESISTOR	
R6020	NRSA63J-564X	MG RESISTOR	
R6021	NRSA63J-222X	MG RESISTOR	
R6022	NRSA63J-104X	MG RESISTOR	
R6023	NRSA63J-103X	MG RESISTOR	
R6024	NRSA63J-224X	MG RESISTOR	
R6025	NRSA63J-104X	MG RESISTOR	
R6026	NRSA63J-104X	MG RESISTOR	
R6027	NRSA63J-104X	MG RESISTOR	
R6028	NRSA63J-104X	MG RESISTOR	
R6029	NRSA63J-104X	MG RESISTOR	
R6031	NRSA63J-124X	MG RESISTOR	
R6032	NRSA63J-103X	MG RESISTOR	
R6033	NRSA63J-183X	MG RESISTOR	
R6034	NRSA63J-223X	MG RESISTOR	
R6036	NRSA63J-0R0X	MG RESISTOR	
R6103	NRVA63D-223X	CMF RESISTOR	
R6104	NRVA63D-103X	CMF RESISTOR	
R6203	NRVA63D-103X	CMF RESISTOR	
R6204	NRVA63D-123X	CMF RESISTOR	
R6303	NRVA63D-183X	CMF RESISTOR	
R6304	NRVA63D-472X	CMF RESISTOR	
R6307	NRSA63J-103X	MG RESISTOR	
R6401	NRSA63J-0R0X	MG RESISTOR	
R6501	NRSA63J-0R0X	MG RESISTOR	
R6502	NRSA63J-471X	MG RESISTOR	
R6603	NRVA63D-683X	CMF RESISTOR	
R6604	NRVA63D-392X	CMF RESISTOR	
R6605	NRSA63J-274X	MG RESISTOR	
R6606	NRSA63J-272X	MG RESISTOR	
R6612	NRSA63J-823X	MG RESISTOR	
R6613	NRSA63J-104X	MG RESISTOR	
R6614	NRSA63J-153X	MG RESISTOR	
R6616	NRSA63J-102X	MG RESISTOR	
R6622	NRVA63D-104X	CMF RESISTOR	
R6623	NRVA63D-473X	CMF RESISTOR	
R6624	NRSA63J-273X	MG RESISTOR	
R6625	NRSA63J-822X	MG RESISTOR	
R6626	NRVA63D-273X	CMF RESISTOR	
R6627	NRVA63D-183X	CMF RESISTOR	
R6702	NRSA63J-330X	MG RESISTOR	
R6704	NRVA63D-123X	CMF RESISTOR	
R6706	NRZ0058-R20X	MG RESISTOR	
R6710	NRVA63D-823X	CMF RESISTOR	
R6711	NRVA63D-333X	CMF RESISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
R6713	NRSA63J-562X	MG RESISTOR	
R6803	NRSA63J-563X	MG RESISTOR	
R6804	NRSA63J-333X	MG RESISTOR	
R6812	NRSA63J-222X	MG RESISTOR	
R6961	NRSA63J-223X	MG RESISTOR	
R7001	NRSA63D-123X	MG RESISTOR	
R7002	NRSA63D-103X	MG RESISTOR	
R7003	NRSA63D-332X	MG RESISTOR	
R7004	NRSA63D-123X	MG RESISTOR	
R7005	NRSA63J-223X	MG RESISTOR	
R7006	NRSA63D-332X	MG RESISTOR	
R7007	NRSA63D-123X	MG RESISTOR	
R7008	NRSA63J-223X	MG RESISTOR	
R7009	NRSA63D-332X	MG RESISTOR	
R7010	NRSA63D-123X	MG RESISTOR	
R7011	NRSA63J-223X	MG RESISTOR	
R7012	NRSA63D-103X	MG RESISTOR	
R7013	NRSA63D-103X	MG RESISTOR	
R7014	NRSA63D-103X	MG RESISTOR	
R7015	NRSA63D-103X	MG RESISTOR	
R7016	NRSA63D-103X	MG RESISTOR	
R7017	NRSA63D-103X	MG RESISTOR	
R7018	NRSA63J-0R0X	MG RESISTOR	
R7019	NRSA63J-0R0X	MG RESISTOR	
R7020	NRSA63J-0R0X	MG RESISTOR	
R7301	NRVA63D-122X	CMF RESISTOR	
R7303	NRVA63D-561X	CMF RESISTOR	
R9102	NRSA63J-154X	MG RESISTOR	
R9104	NRSA63J-154X	MG RESISTOR	
R9109	NRSA63J-474X	MG RESISTOR	
R9110	NRSA63J-221X	MG RESISTOR	
R9111	NRSA63J-221X	MG RESISTOR	
R9112	NRSA63J-222X	MG RESISTOR	
R9113	NRSA63J-474X	MG RESISTOR	
R9114	NRSA63J-222X	MG RESISTOR	
R9115	NRSA63J-474X	MG RESISTOR	
R9116	NRSA63J-474X	MG RESISTOR	
R9302	NRSA63J-271X	MG RESISTOR	
R9303	NRSA63J-122X	MG RESISTOR	
R9307	NRSA63J-0R0X	MG RESISTOR	
R9308	NRSA63J-112X	MG RESISTOR	
R9309	NRSA63J-0R0X	MG RESISTOR	
R9312	NRSA63J-0R0X	MG RESISTOR	
R9314	NRSA63J-331X	MG RESISTOR	
R9315	NRVA63D-103X	CMF RESISTOR	
R9316	NRVA63D-333X	CMF RESISTOR	
R9317	NRSA63J-0R0X	MG RESISTOR	
R9322	NRSA63J-121X	MG RESISTOR	
R9601	NRSA63J-0R0X	MG RESISTOR	
R9602	NRSA63J-823X	MG RESISTOR	
R9603	NRSA63J-154X	MG RESISTOR	
R9604	NRSA63J-224X	MG RESISTOR	
R9901	NRSA63J-182X	MG RESISTOR	
R9902	NRSA63J-391X	MG RESISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
R9903	NRSA63J-152X	MG RESISTOR	
R9904	NRSA63J-5R6X	MG RESISTOR	
R9905	NRSA63J-152X	MG RESISTOR	
R9906	NRSA63J-5R6X	MG RESISTOR	
RA101	NRZ0038-222X	NET RESISTOR	
RA102	NRZ0038-222X	NET RESISTOR	
RA103	NRZ0038-222X	NET RESISTOR	
RA104	NRZ0038-222X	NET RESISTOR	
RA107	NRZ0038-222X	NET RESISTOR	
RA108	NRZ0038-222X	NET RESISTOR	
RA109	NRZ0038-474X	NET RESISTOR	
RA110	NRZ0038-474X	NET RESISTOR	
RA111	NRZ0038-474X	NET RESISTOR	
RA112	NRZ0038-104X	NET RESISTOR	
RA6020	NRZ0038-102X	NET RESISTOR	
RA9101	NRZ0038-474X	NET RESISTOR	
SD1	LY43421-001B	SHIELD PLATE	
X101	NAX0571-001	CRYSTAL RESONATOR	
X102	NAX0267-001X	CRYSTAL RESONATOR	
X4001	QAX0708-001	CRYSTAL RESONATOR	
■	YB20917EB-02	FRONT BORD ASSY	(RTL)
C9501	NDC21HJ-220X	CAPACITOR	
CN9501	QGF0512C1-10	FPC CONNECTOR	
D9501	RPM-22PB	PHOTO TRANSISTO	
D9502	SLR-738AV-50	IR LED	
D9503	SLR-738AV-50	IR LED	
HD1	LY20820-001A	IR HOLDER	
MC1	LY43405-001A	MICROPHONE	
OT1	LY32561-001A	DAMPER(MIC)	
WR1	WJR0024-001A	E-SH C WIRE C-F,JPXXX	
■	YB20935C-01	MONITOR BOARD ASSY	(RTL)
C7501	NCZ1016-120X	CAPACITOR	
C7502	NCB21EK-273X	CAPACITOR	
C7503	NCB31EK-103X	CAPACITOR	
C7504	NCB10JK-106X	CAPACITOR	
C7601	NBE20JM-106X	TA E CAPACITOR	
C7602	NCB31EK-103X	CAPACITOR	

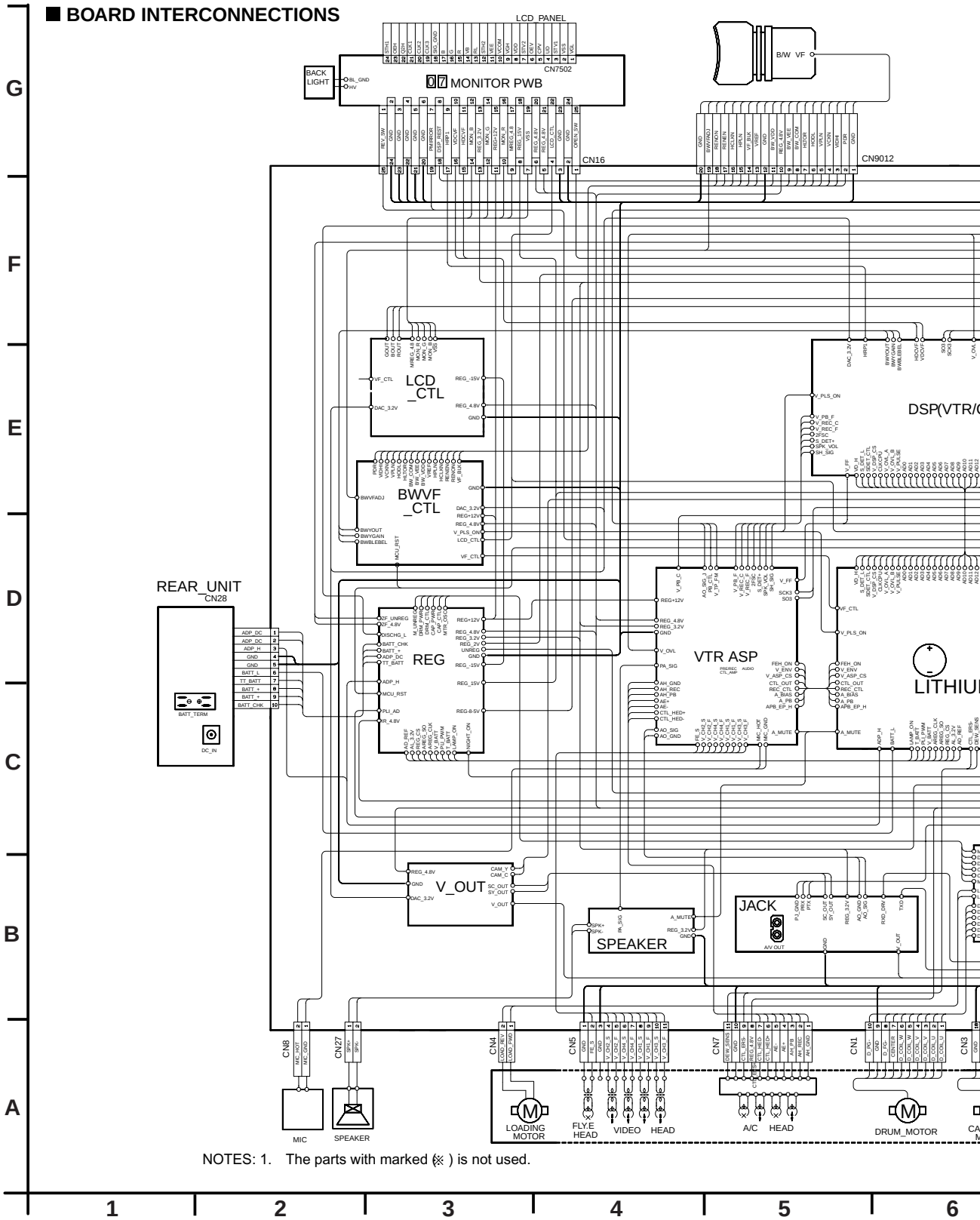
Ref. No.	Part No.	Part Name & Description	Remarks
C7606	NCB31EK-103X	CAPACITOR	
C7607	NBP41EM-475X	TA E CAPACITOR	
C7608	NCB31EK-103X	CAPACITOR	
C7609	NBP41CM-106X	TA E CAPACITOR	
C7610	NDC31HJ-330X	CAPACITOR	
C7611	NCB31EK-103X	CAPACITOR	
C7612	NCB31EK-103X	CAPACITOR	
C7613	NCB31EK-103X	CAPACITOR	
C7614	NCB21CK-334X	CAPACITOR	
C7615	NDC31HJ-331X	CAPACITOR	
C7616	NDC31HJ-560X	CAPACITOR	
C7617	NDC31HJ-220X	CAPACITOR	
C7618	NCB31EK-103X	CAPACITOR	
C7619	NDC31HJ-270X	CAPACITOR	
C7620	NDC31HJ-270X	CAPACITOR	
C7621	NCB31EK-103X	CAPACITOR	
C7622	NCB11CK-225X	CAPACITOR	
C7623	NCB31EK-682X	CAPACITOR	
C7624	NCB31EK-103X	CAPACITOR	
C7626	NBP41EM-475X	TA E CAPACITOR	
C7627	NCB31EK-103X	CAPACITOR	
CN7601	QGF0303F1-25	FFC/FPC CONNECTOR	
CN7602	QGF0508F1-24	FPC CONNECTOR	
D7601	MA365	VARI CAP DIODE	MA2Z365
D7602	RB471E	SB DIODE	
D7603	UDZS5.1B	ZENER DIODE	
D7604	MA741WA	SB DIODE	MA3J741D
F7501	NMFZ007-R40X	FUSE	⚠
FW1	QAL0396-001	FPC,JPXXXXX	
IC7601	MN5814	IC	
IC7602	BA4558F	IC	C0ABBB000004
IC7603	SN74AHC1G04K	IC	
IC7604	DN8797MS	HOLE IC	
L7501	NQLZ010-680X	COIL	
L7502	NQL03BK-100X	COIL	
L7601	NQL315K-220X	COIL	
L7604	NQL315K-220X	COIL	
L7605	NQL085J-4R7X	COIL	
Q7501	2SD1664-QR	TRANSISTOR	
Q7502	2SD1664-QR	TRANSISTOR	
Q7503	DTA144EE	DIGI TRANSISTOR	
Q7504	DTC144EE	DIGI TRANSISTOR	
Q7601	2SC4617-QR	TRANSISTOR	
Q7602	2SA1774-QR	TRANSISTOR	
Q7603	2SC4617-QR	TRANSISTOR	
Q7604	2SA1774-QR	TRANSISTOR	
Q7605	DTA144EE	DIGI TRANSISTOR	
Q7606	DTA144EE	DIGI TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
Q7607	DTA144EE	DIGI TRANSISTOR	
Q7608	DTC144EE	DIGI TRANSISTOR	
R7501	NRSA63J-102X	MG RESISTOR	
R7502	NRSA63J-102X	MG RESISTOR	
R7503	NRSA63J-102X	MG RESISTOR	
R7601	NRSA63D-103X	MG RESISTOR	
R7602	NRSA63D-752X	MG RESISTOR	
R7603	NRSA63D-333X	MG RESISTOR	
R7604	NRSA63J-123X	MG RESISTOR	
R7605	NRSA63J-123X	MG RESISTOR	
R7606	NRSA63D-153X	MG RESISTOR	
R7607	NRSA63D-822X	MG RESISTOR	
R7608	NRSA63J-682X	MG RESISTOR	
R7610	NRSA63J-104X	MG RESISTOR	
R7611	NRSA63J-223X	MG RESISTOR	
R7612	NRSA63J-474X	MG RESISTOR	
R7613	NRSA63J-103X	MG RESISTOR	
R7614	NRSA63J-0R0X	MG RESISTOR	
R7618	NRSA63J-0R0X	MG RESISTOR	
R7621	NRSA63J-102X	MG RESISTOR	
R7622	NRSA63J-103X	MG RESISTOR	
R7624	NRSA63J-102X	MG RESISTOR	
R7625	NRSA63J-0R0X	MG RESISTOR	
R7628	NRSA63J-471X	MG RESISTOR	
R7629	NRSA63J-471X	MG RESISTOR	
R7630	NRSA63J-471X	MG RESISTOR	
R7631	NRSA63J-0R0X	MG RESISTOR	
R7632	NRSA02J-0R0X	MG RESISTOR	
R7633	NRSA63J-104X	MG RESISTOR	
R7635	NRSA63J-223X	MG RESISTOR	
R7636	NRSA63J-223X	MG RESISTOR	
R7637	NRSA63J-223X	MG RESISTOR	
R7638	NRSA63J-223X	MG RESISTOR	
R7639	NRSA63J-223X	MG RESISTOR	
R7640	NRSA02J-182X	MG RESISTOR	
R7641	NRSA02J-331X	MG RESISTOR	
R7645	NRSA63J-683X	MG RESISTOR	
R7646	NRSA63J-393X	MG RESISTOR	
R7648	NRSA63J-103X	MG RESISTOR	
R7650	NRSA63J-103X	MG RESISTOR	
R7654	NRSA63J-103X	MG RESISTOR	
T7501	NQS0056-001X	SIGNAL SW TRANS	
		MISCELLANEOUS	
	LY44218-001A	SHIELD SHEET	

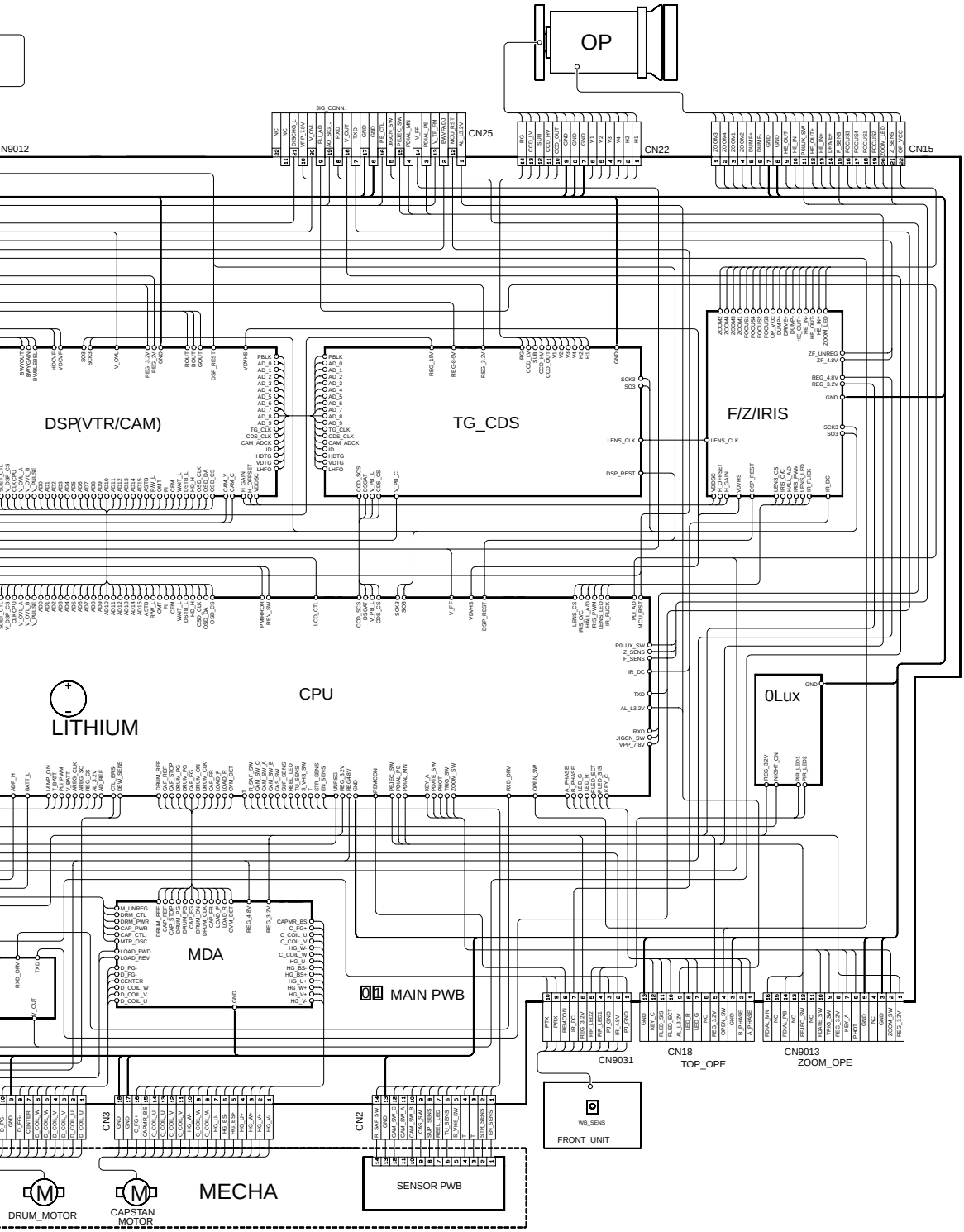
12. Schematic Diagram for printing with A4 size

8 SCHEMATIC DIAGRAMS

8.1. BOARD INTERCONNECTIONS



NOTES: 1. The parts with marked (※) is not used.



y10330001a_rev0

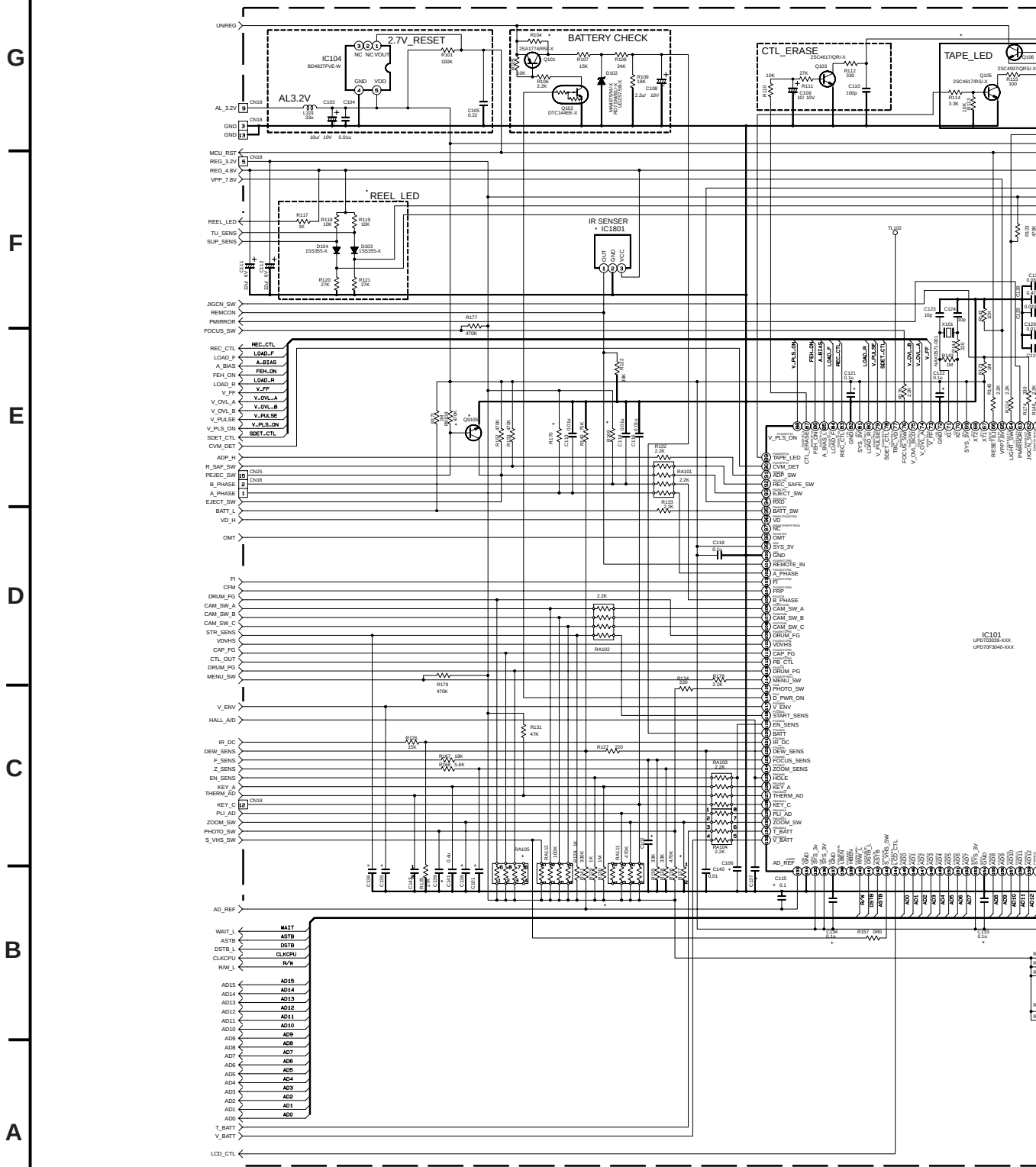
NV-VZ17B/EG/EGE/EGM/EM/EN BOARD INTERCONNECTIONS

6 7 8 9 10 11

8.2. CPU SCHEMATIC DIAGRAM

■ CPU SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.



NOTES: 1. The parts with marked (※) is not used.

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

TICS
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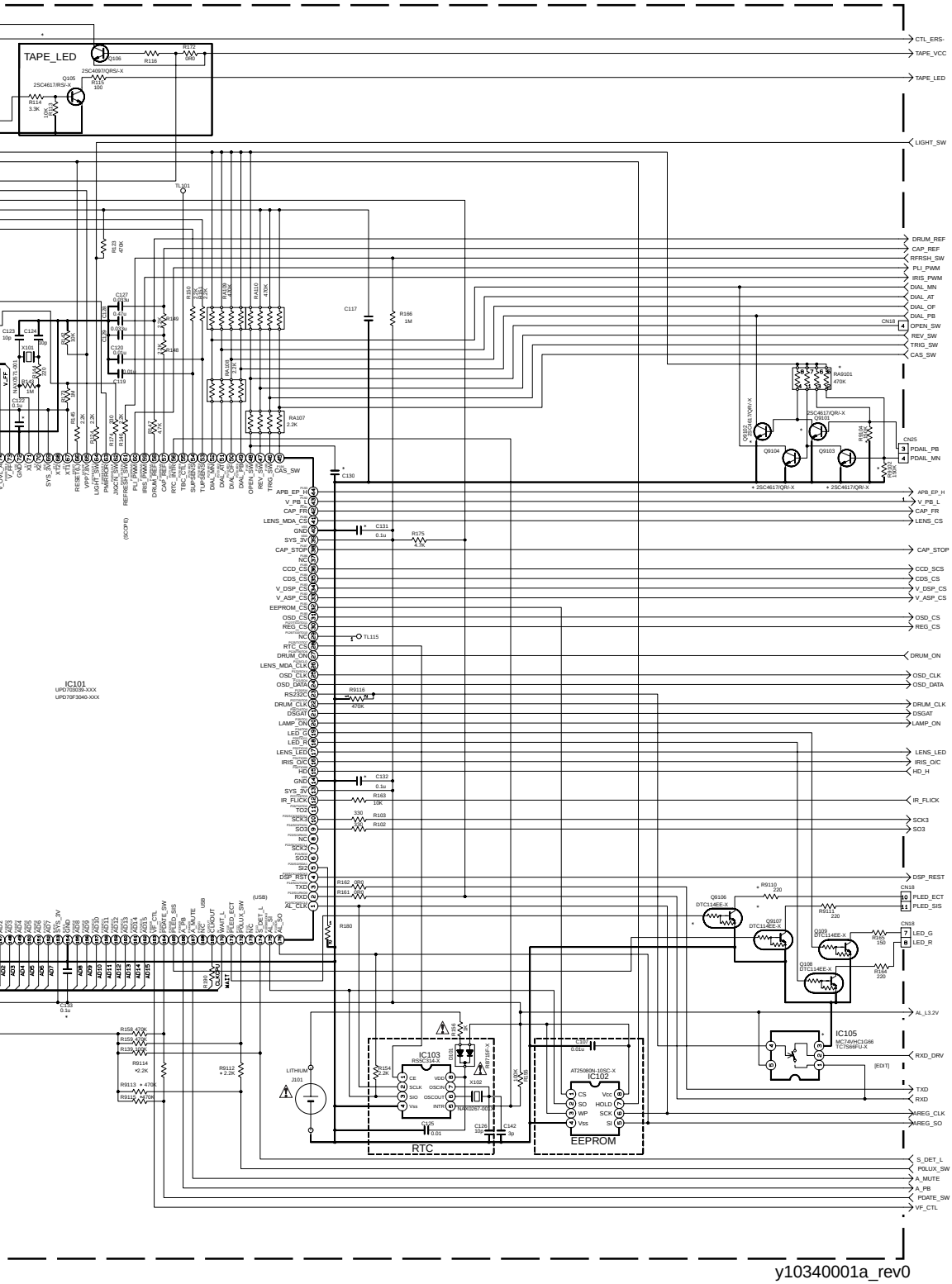

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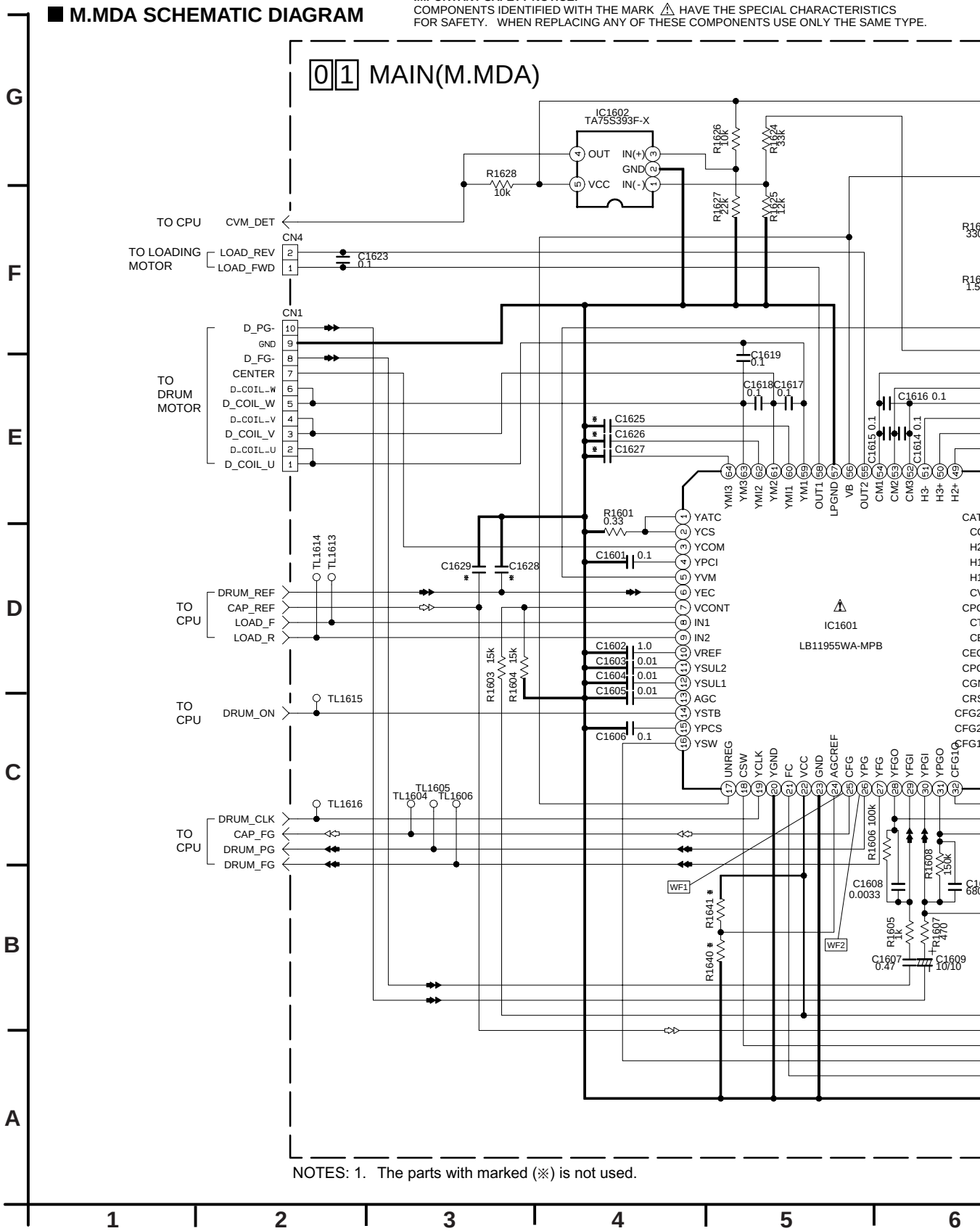
NV-VZ17B/EG/EGE/EGM/EM/EN CPU SCHEMATIC DIAGRAM

6	7	8	9	10	11

8.3. M.MDA SCHEMATIC DIAGRAM

■ M.MDA SCHEMATIC DIAGRAM

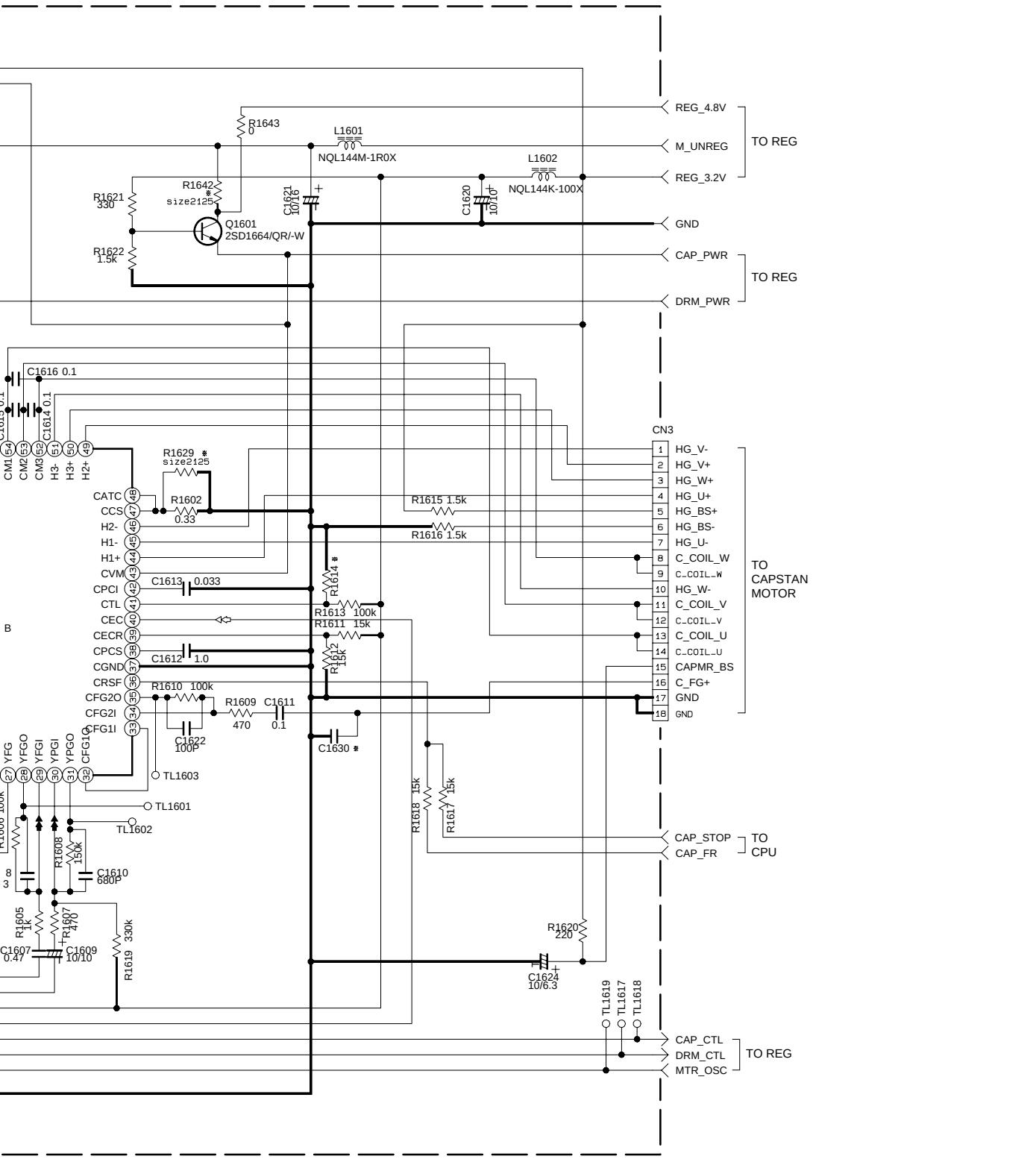
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.



NOTES: 1. The parts with marked (※) is not used.

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

ICS
ME TYPE.



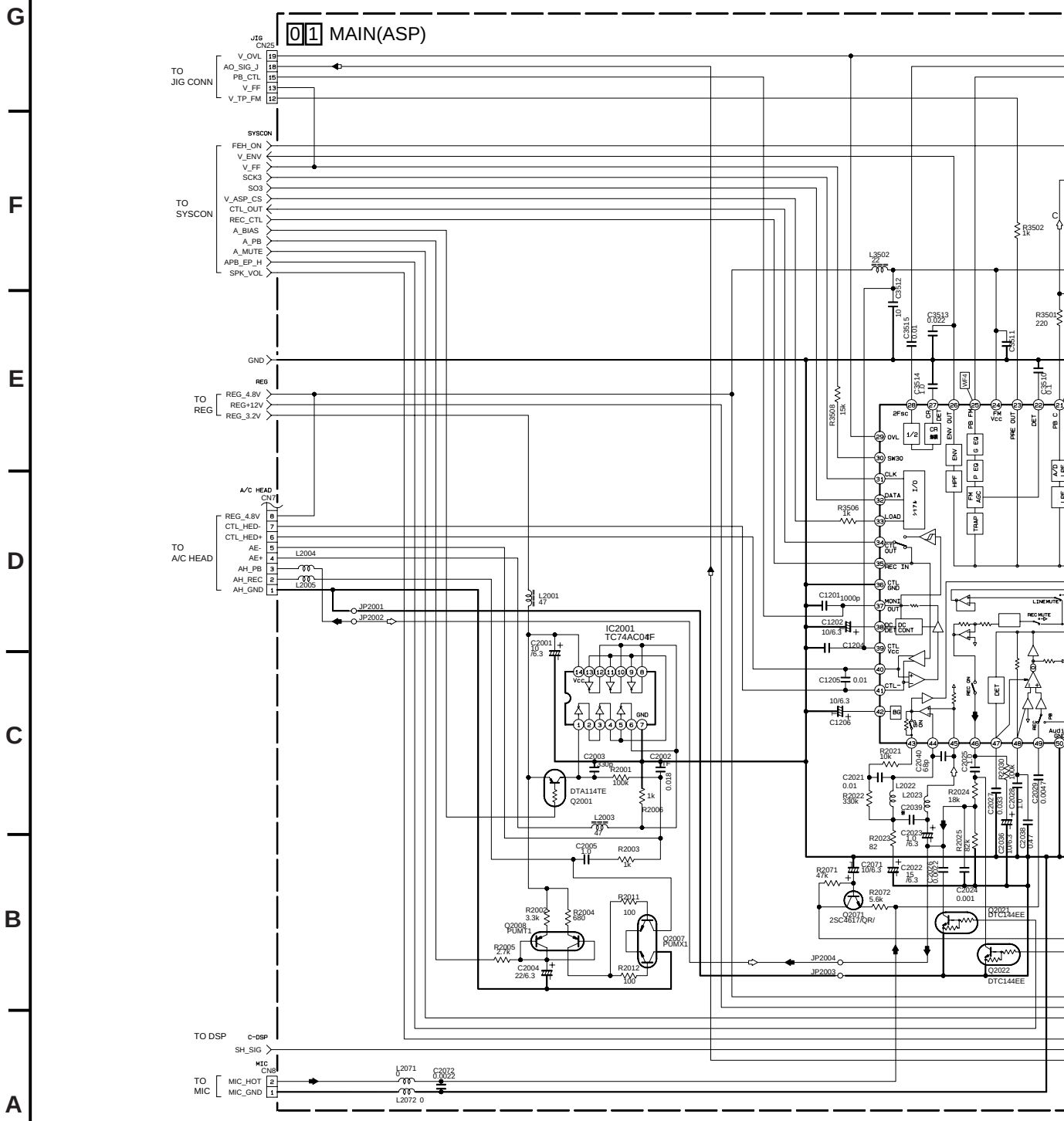
y20223001a_rev0.1

NV-VZ17B/EG/EGE/EGM/EM/EN M.MDA SCHEMATIC DIAGRAM

6 7 8 9 10 11

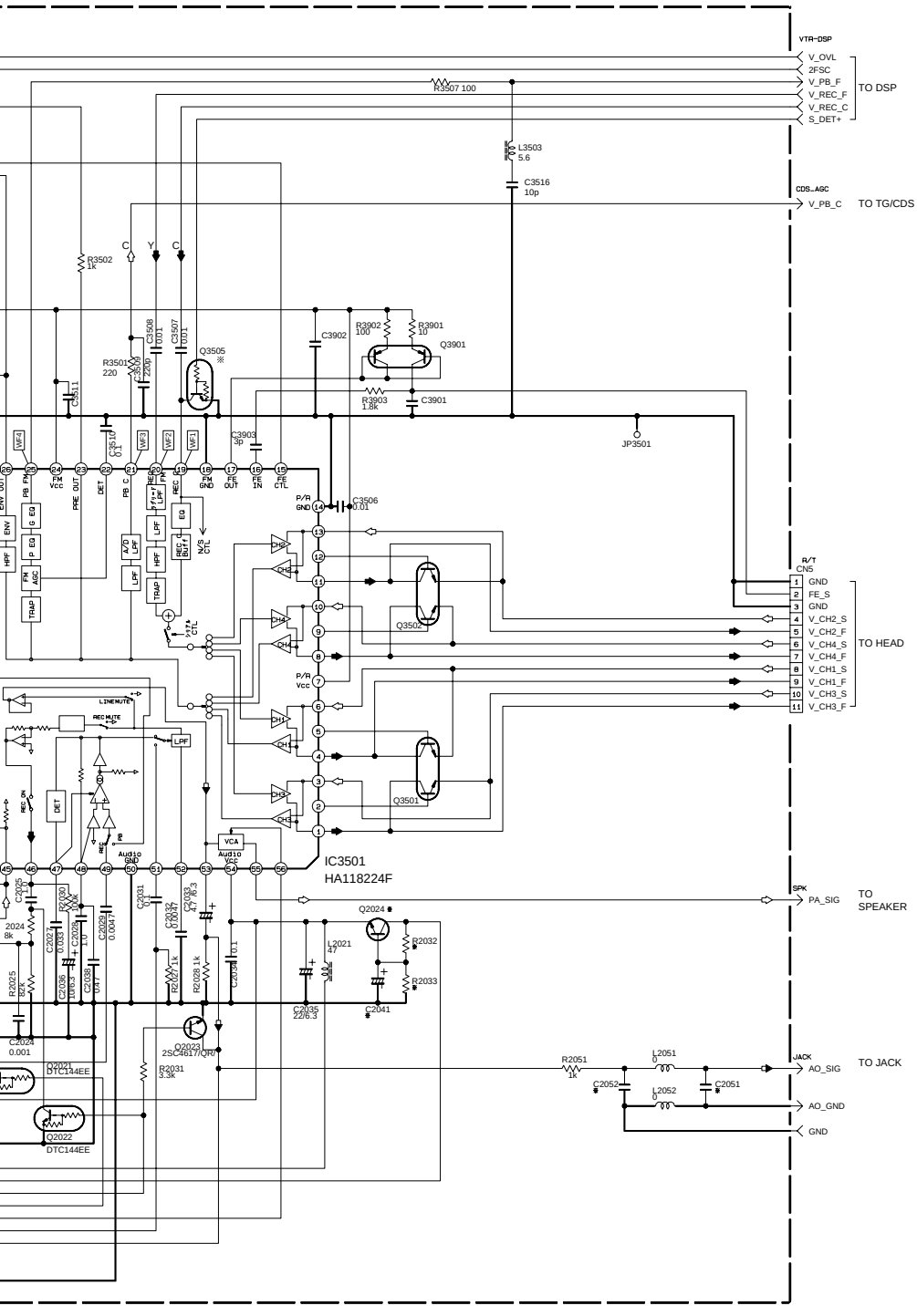
8.4. VTR ASP SCHEMATIC DIAGRAM

■ VTR ASP SCHEMATIC DIAGRAM



NOTES: 1. The parts with marked (※) is not used.

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

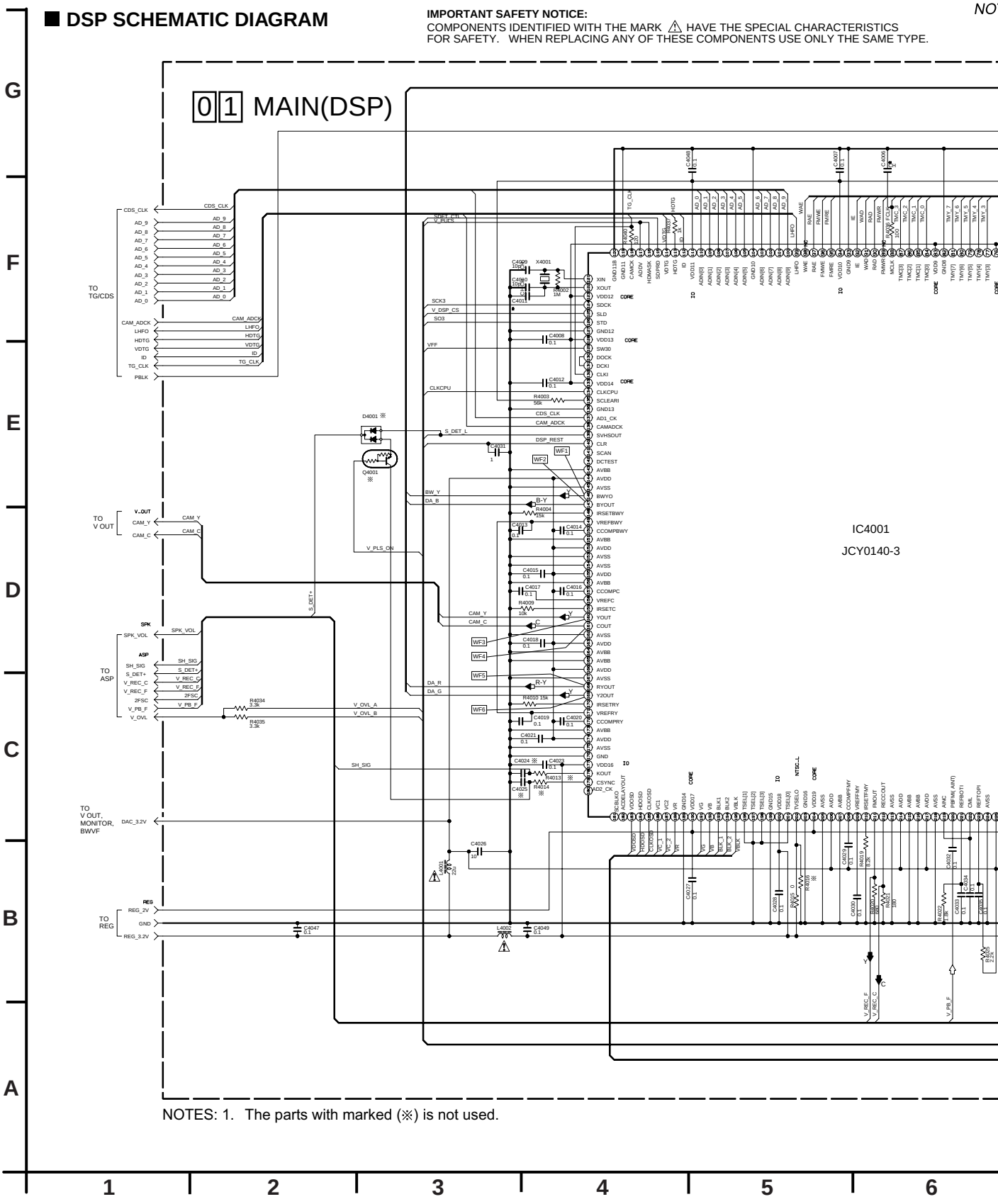


y20225001a_rev0.1

8.5. DSP SCHEMATIC DIAGRAM

■ DSP SCHEMATIC DIAGRAM

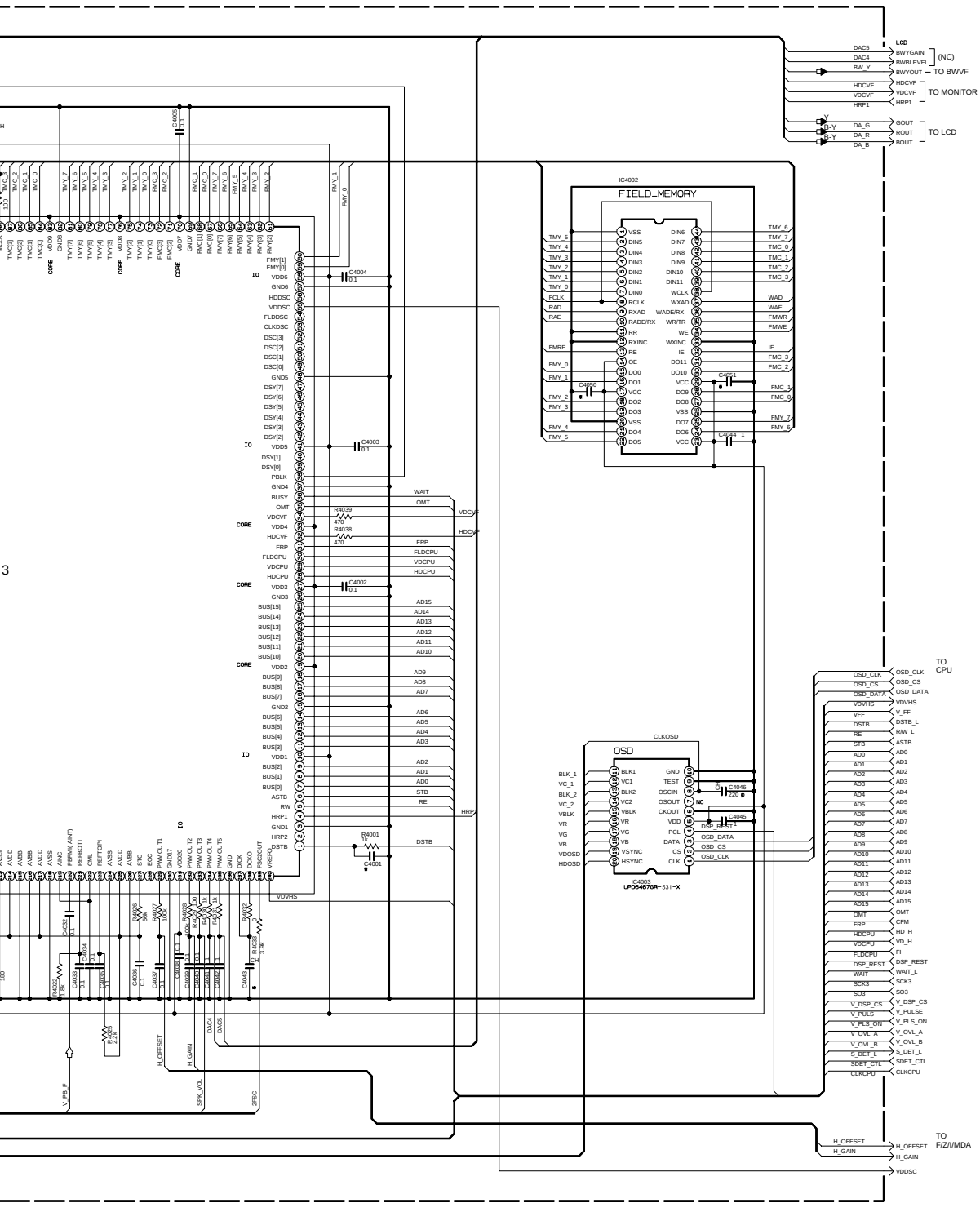
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.



NOTES: 1. The parts with marked (※) is not used.

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*

TYPE. ● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



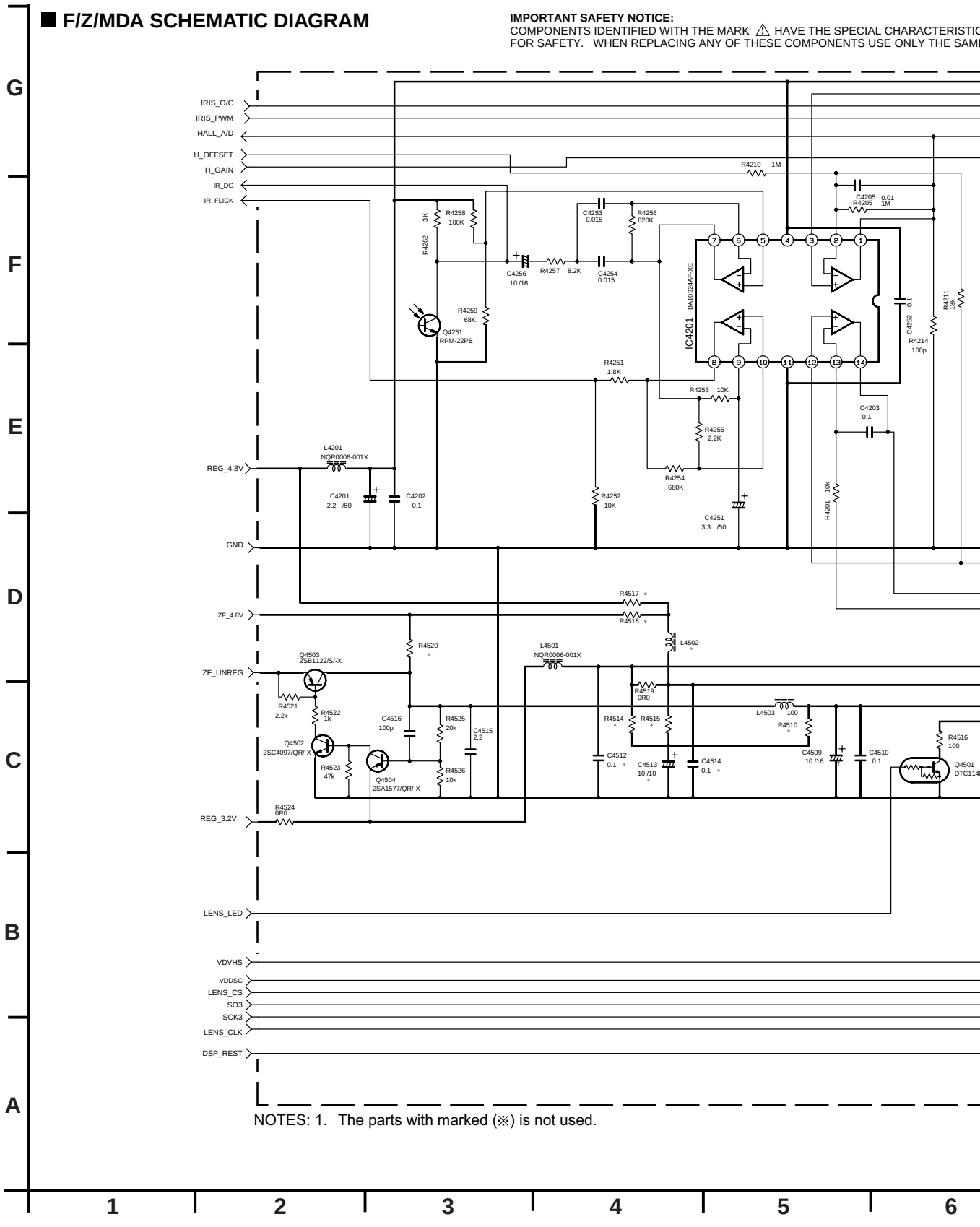
NV-VZ17B/EG/EGE/EGM/EM/EN DSP SCHEMATIC DIAGRAM

6 | 7 | 8 | 9 | 10 | 11

8.6. F/Z/I/MDA SCHEMATIC DIAGRAM

■ F/Z/MDA SCHEMATIC DIAGRAM

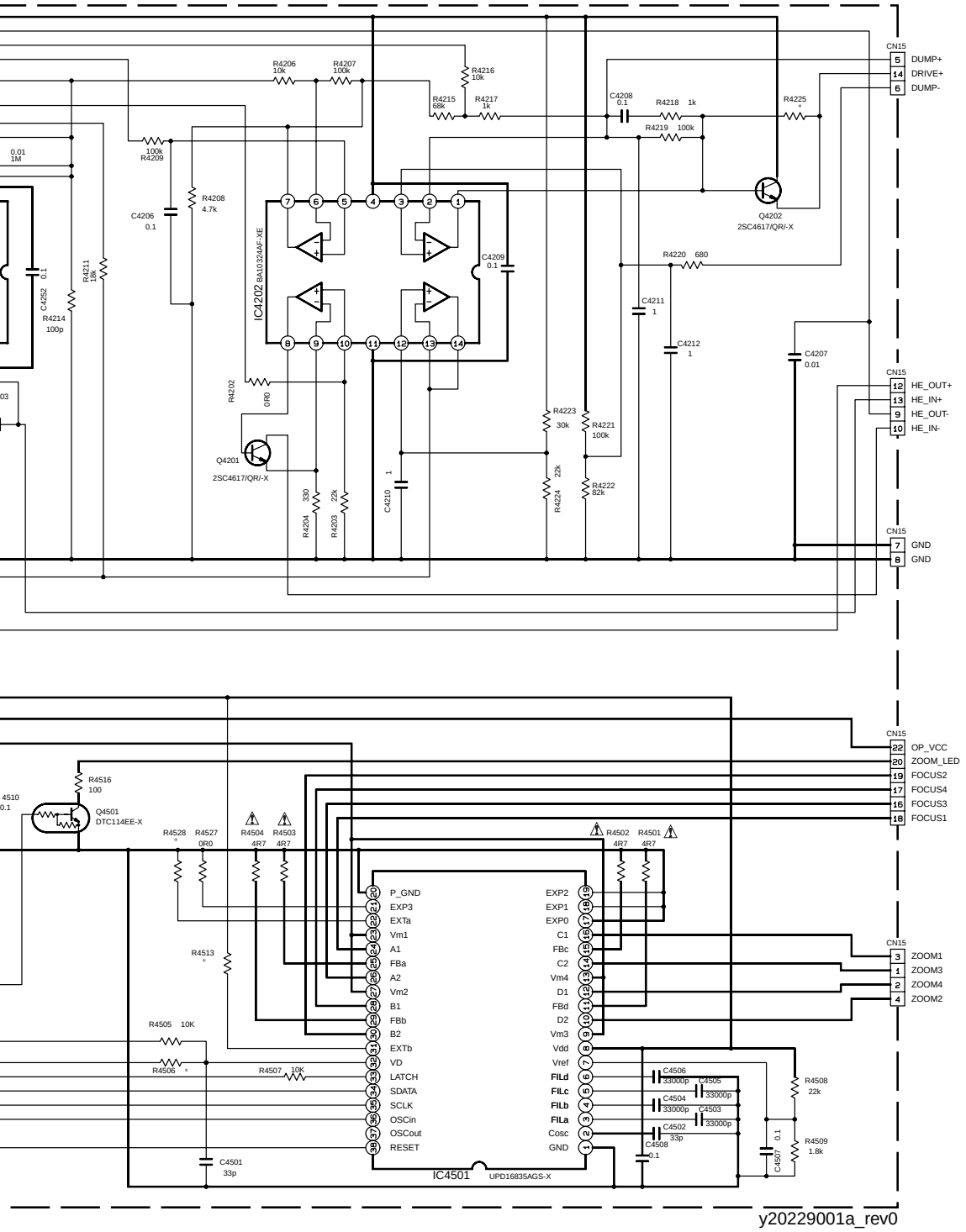
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTIC
FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAM



NOTES: 1. The parts with marked (※) is not used.

L CHARACTERISTICS
SE ONLY THE SAME TYPE.

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



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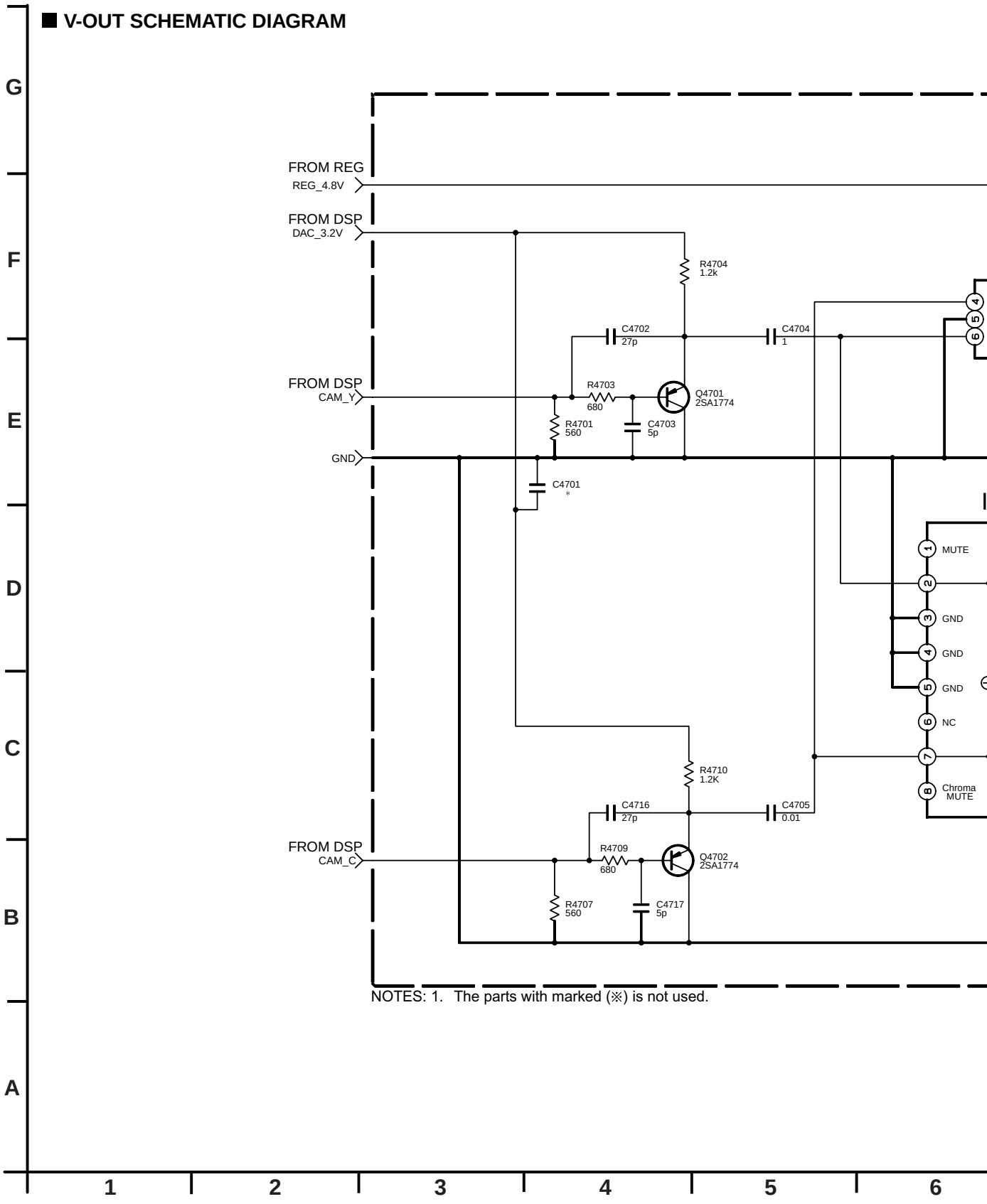
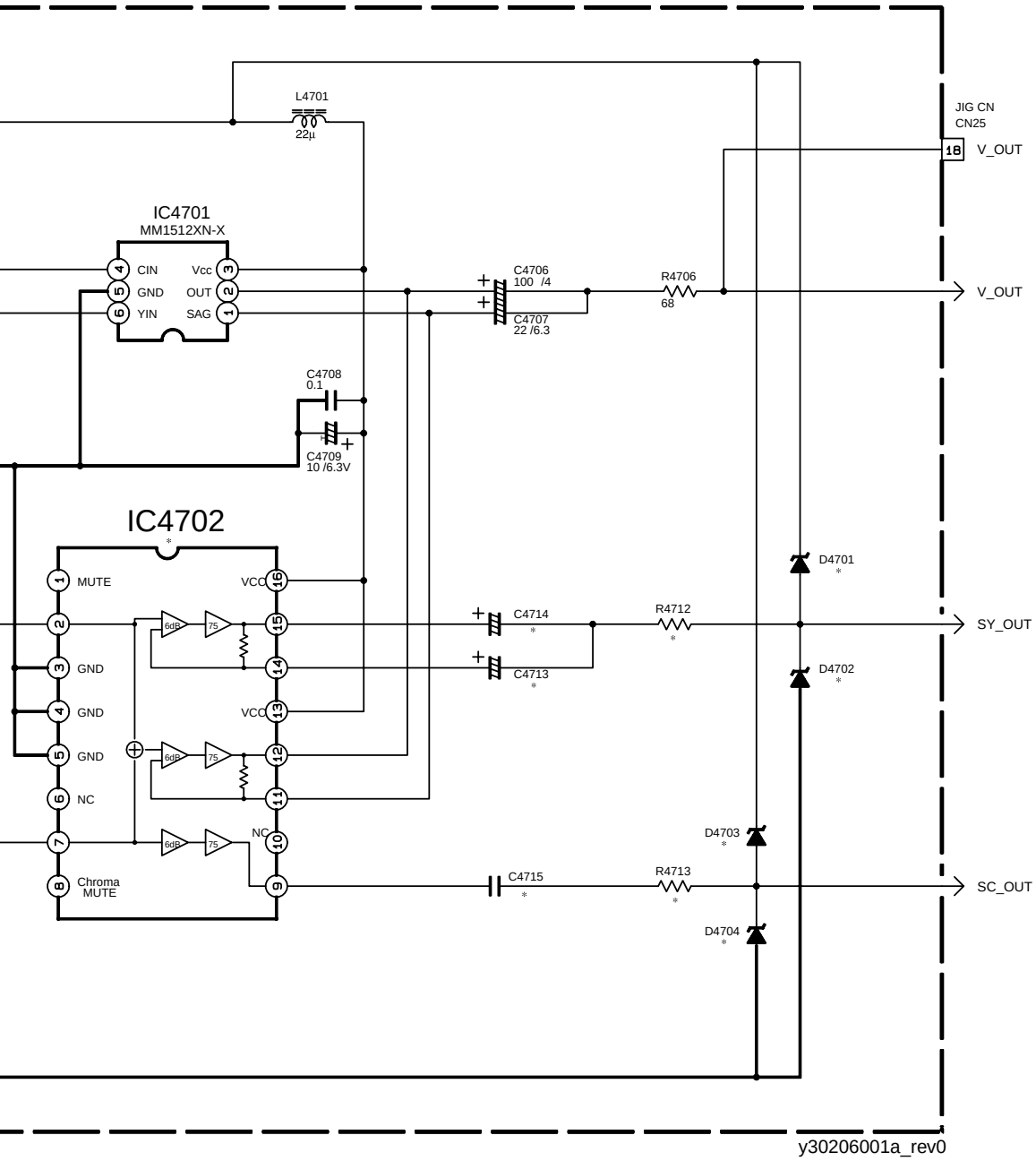
8.7. V OUT SCHEMATIC DIAGRAM

■ V-OUT SCHEMATIC DIAGRAM



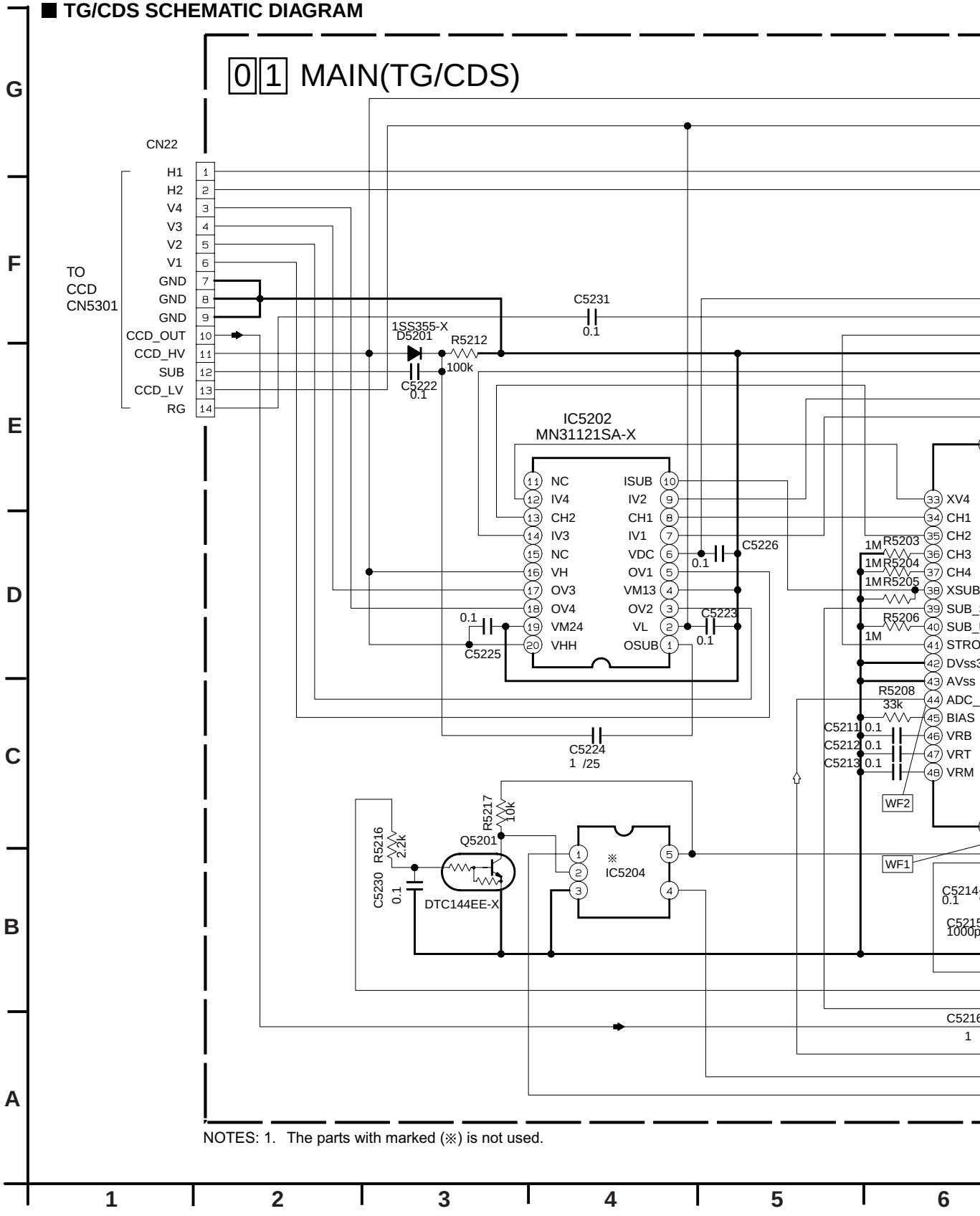
NOTES: 1. The parts with marked (※) is not used.

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



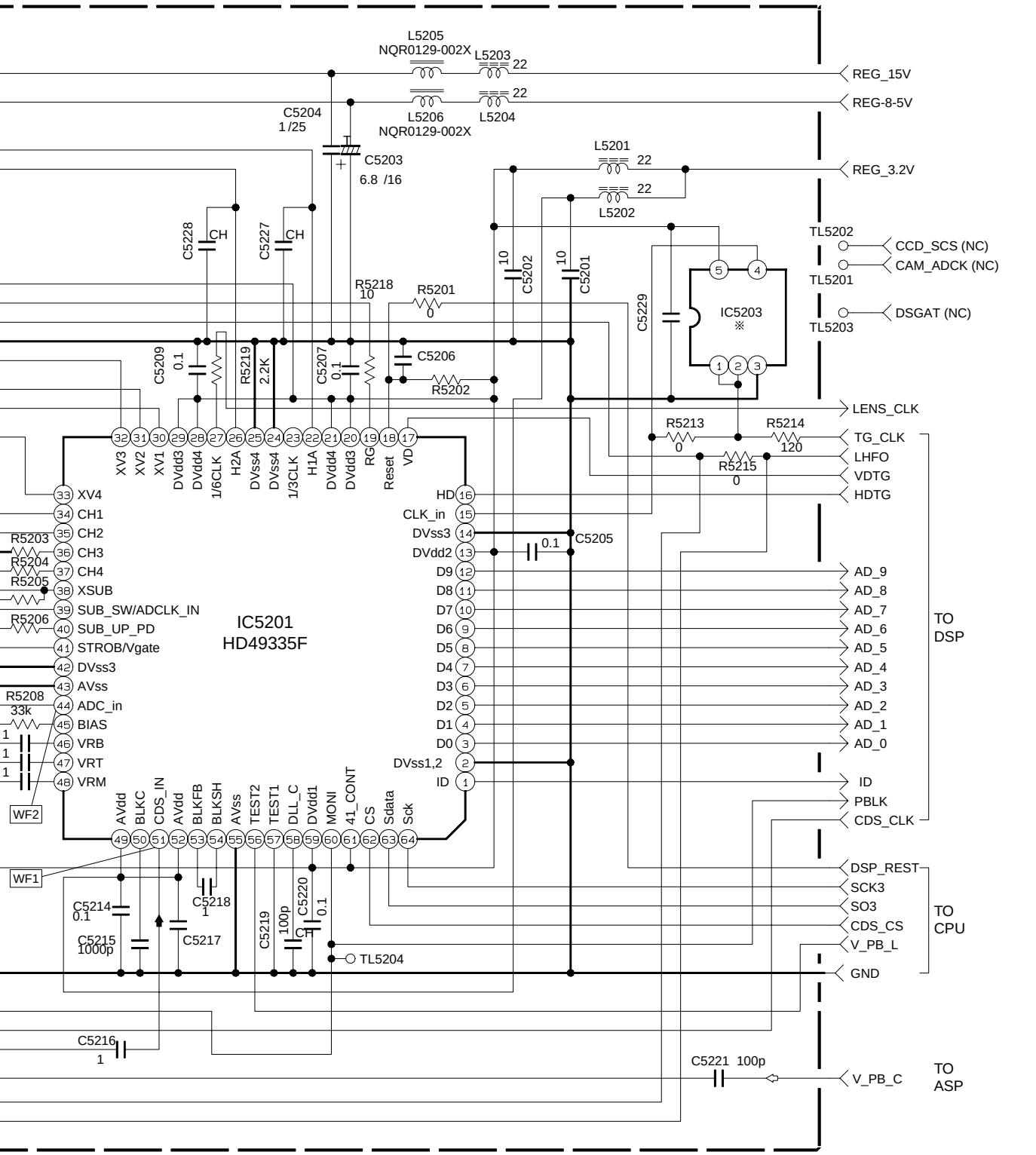
8.8. TG/CDS SCHEMATIC DIAGRAM

■ TG/CDS SCHEMATIC DIAGRAM



NOTES: 1. The parts with marked (※) is not used.

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



y30205001a_rev0.0

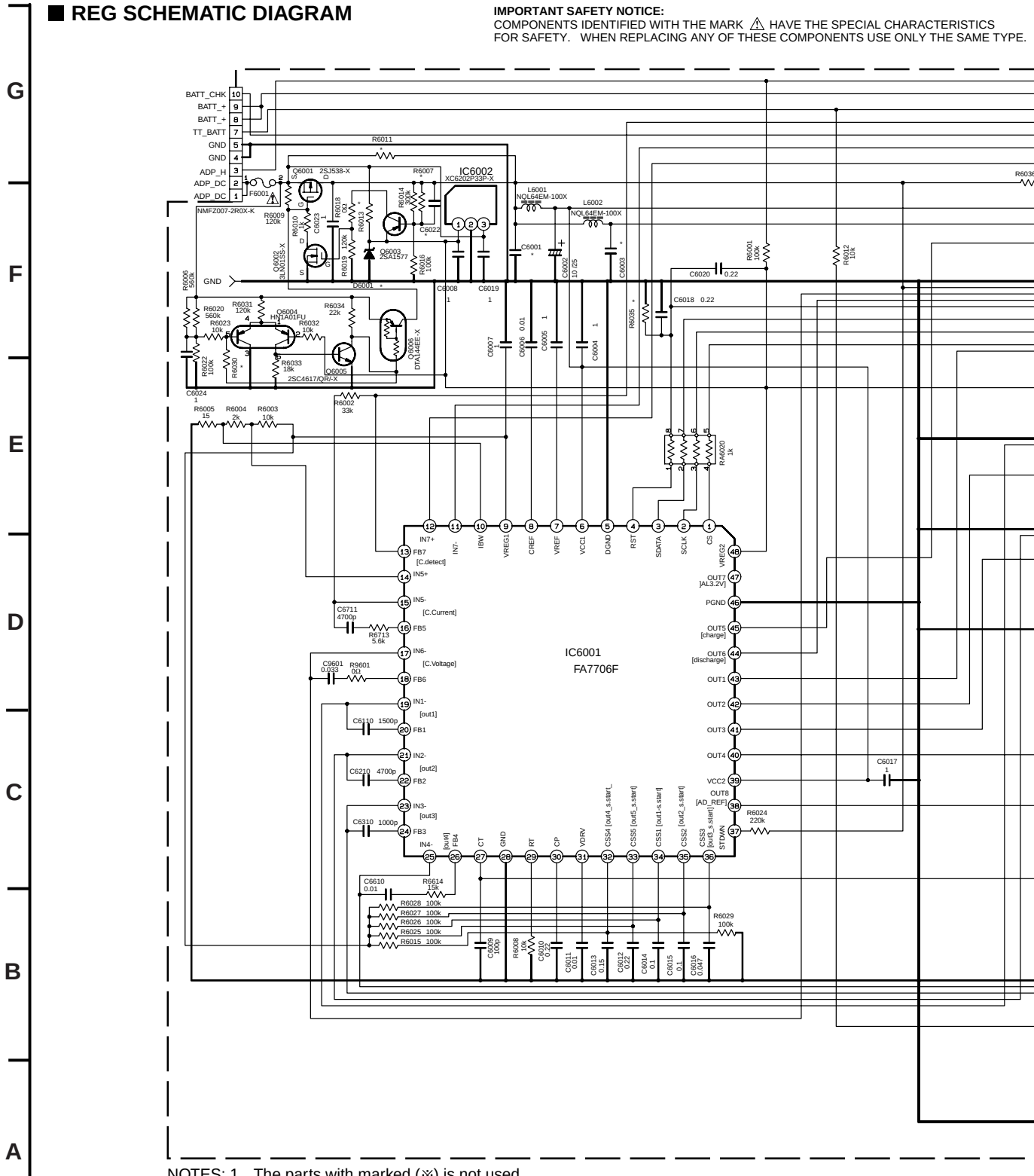
NV-VZ17B/EG/EGE/EGM/EM/EN TG/CDS SCHEMATIC DIAGRAM

6 7 8 9 10 11

8.9. REG SCHEMATIC DIAGRAM

■ REG SCHEMATIC DIAGRAM

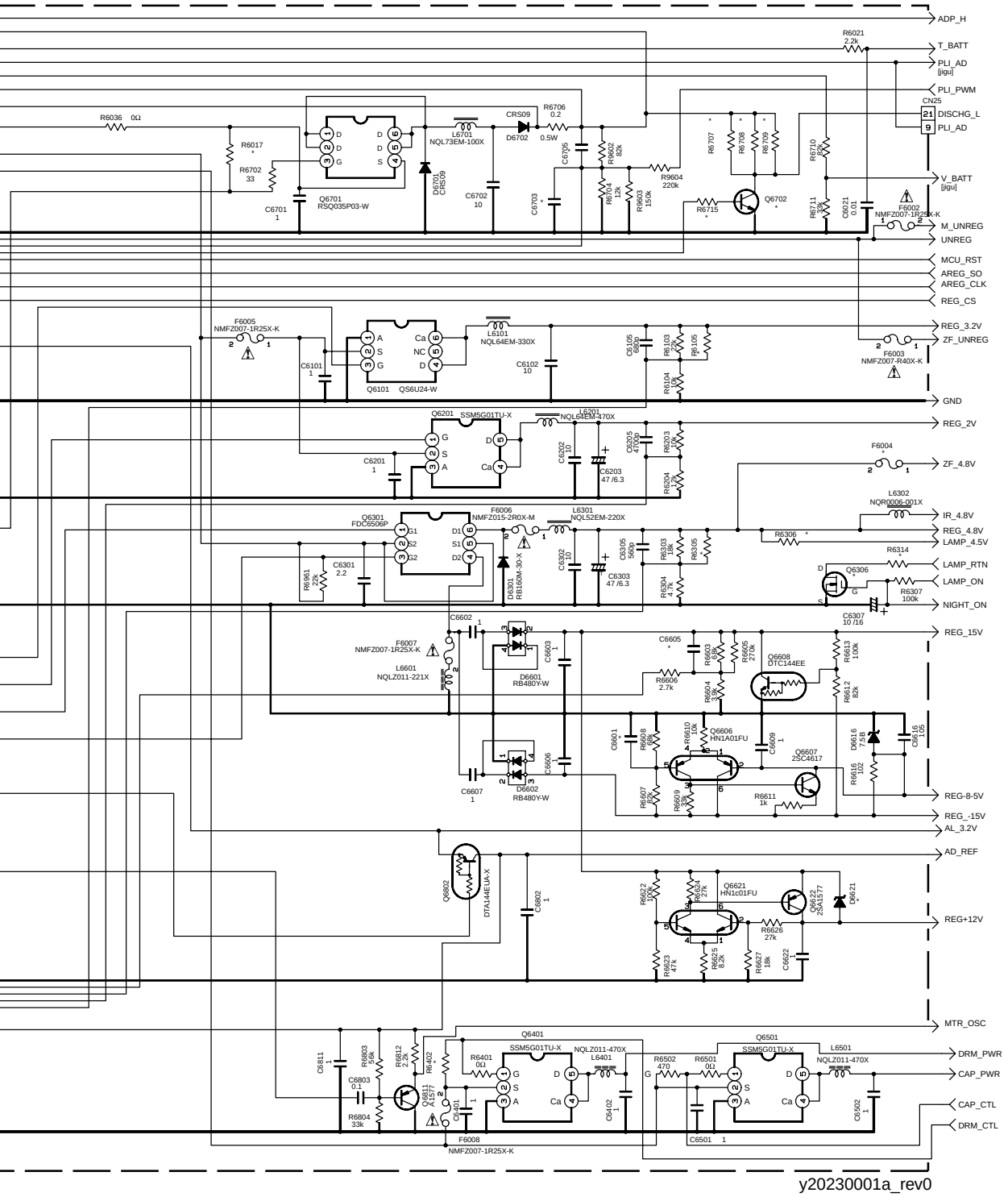
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.



NOTES: 1. The parts with marked (※) is not used.

CTERISTICS
THE SAME TYPE.

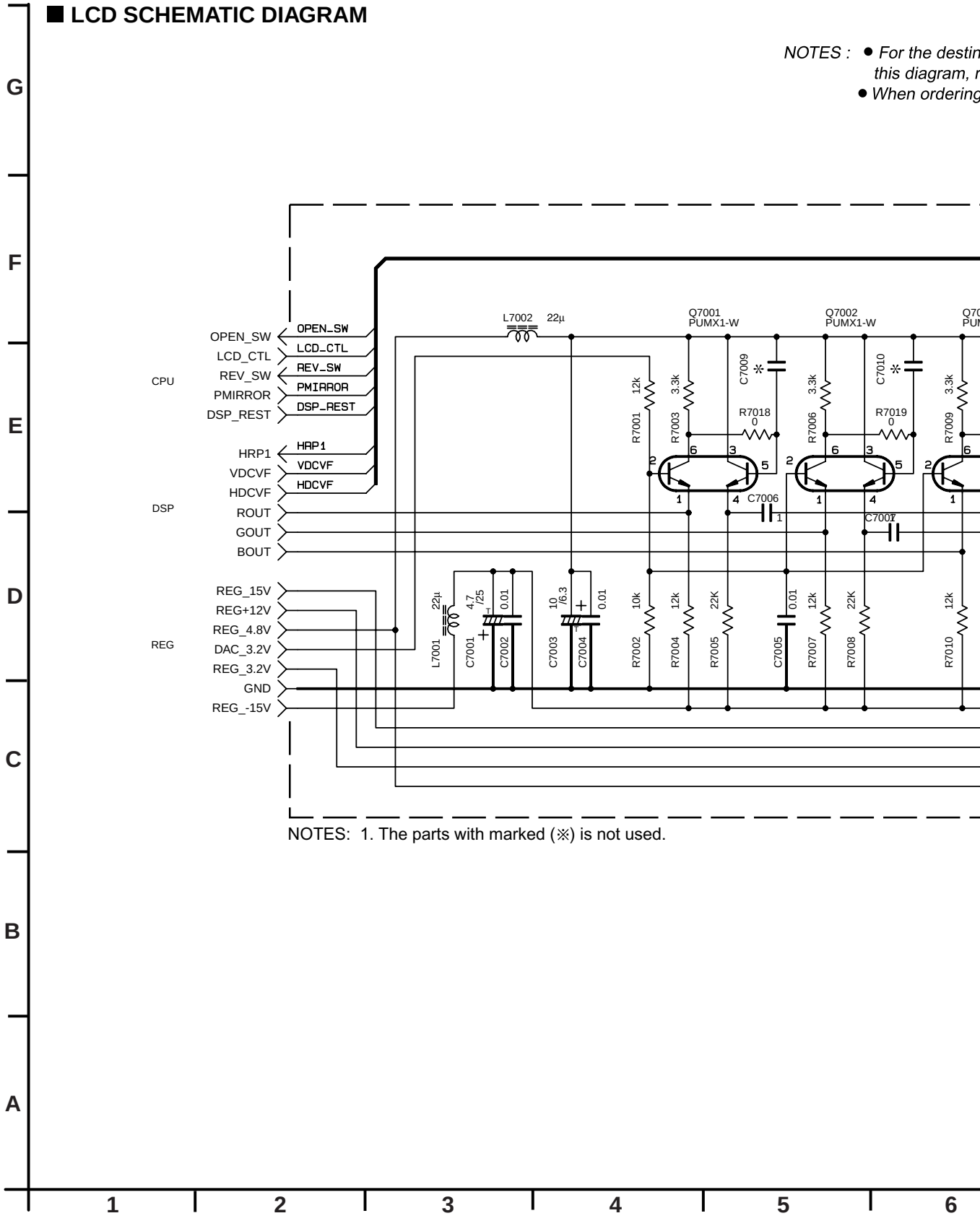
NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



8.10. LCD SCHEMATIC DIAGRAM

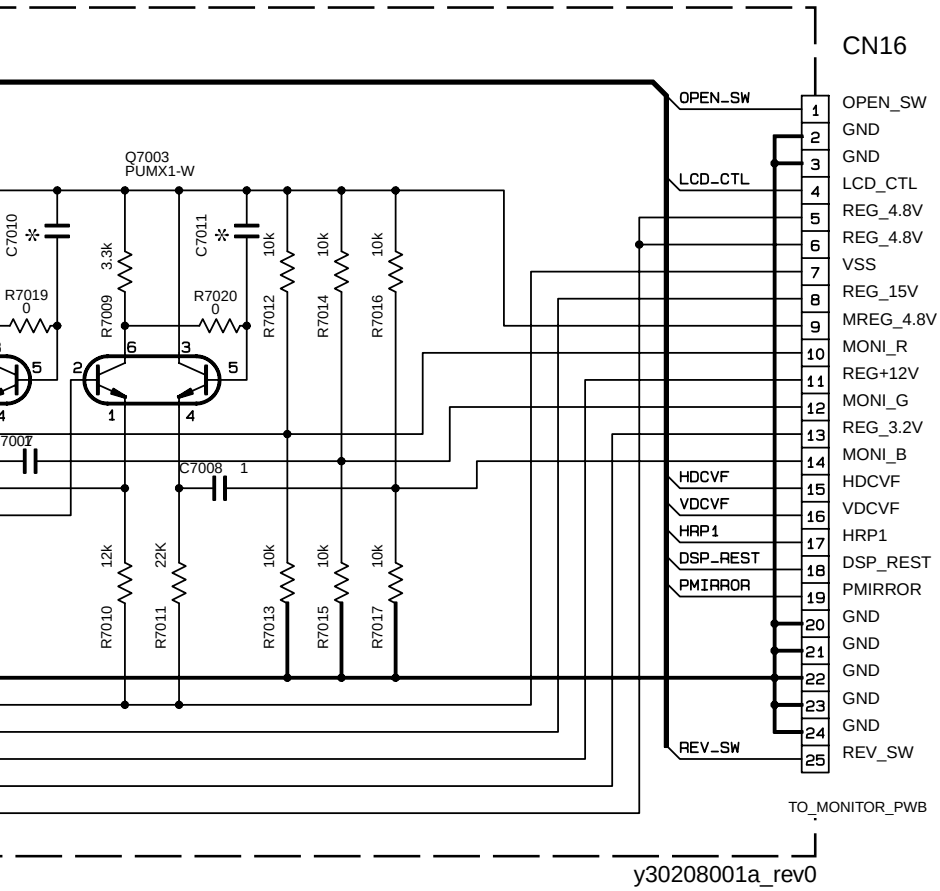
■ LCD SCHEMATIC DIAGRAM

NOTES : ● *For the destin*
this diagram, r
● *When ordering*



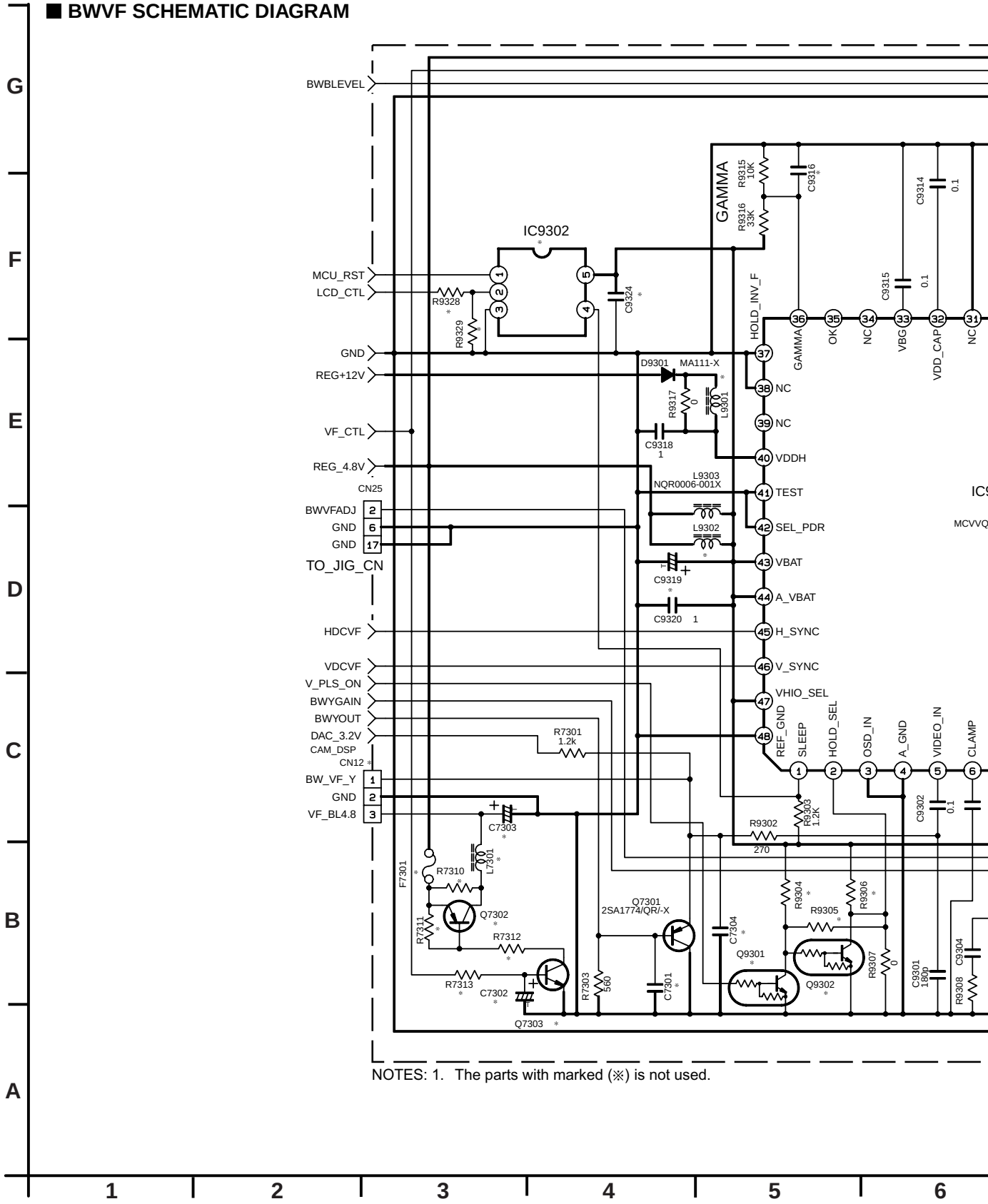
NOTES: 1. The parts with marked (※) is not used.

For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



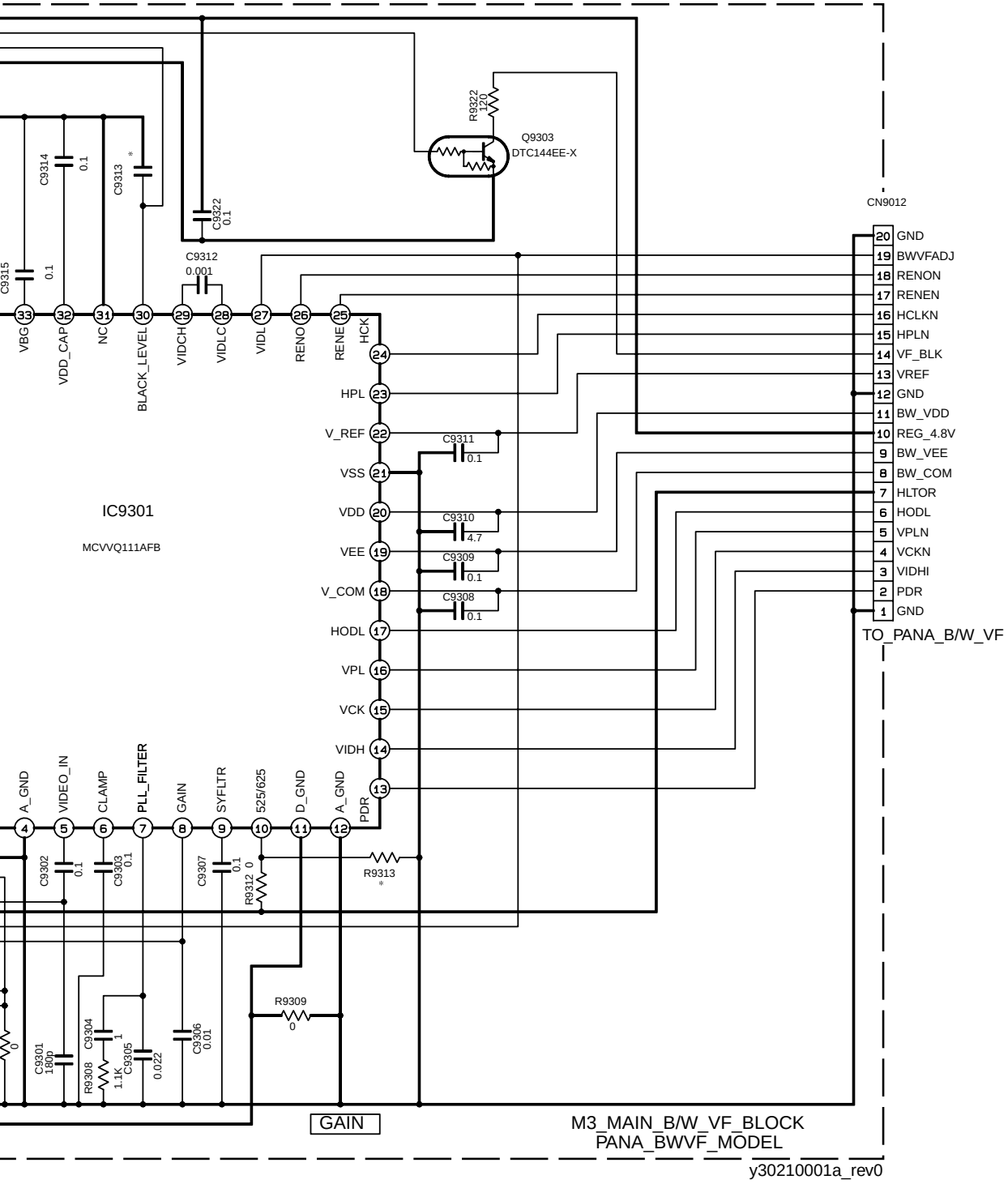
8.11. BWVF SCHEMATIC DIAGRAM

■ BWVF SCHEMATIC DIAGRAM

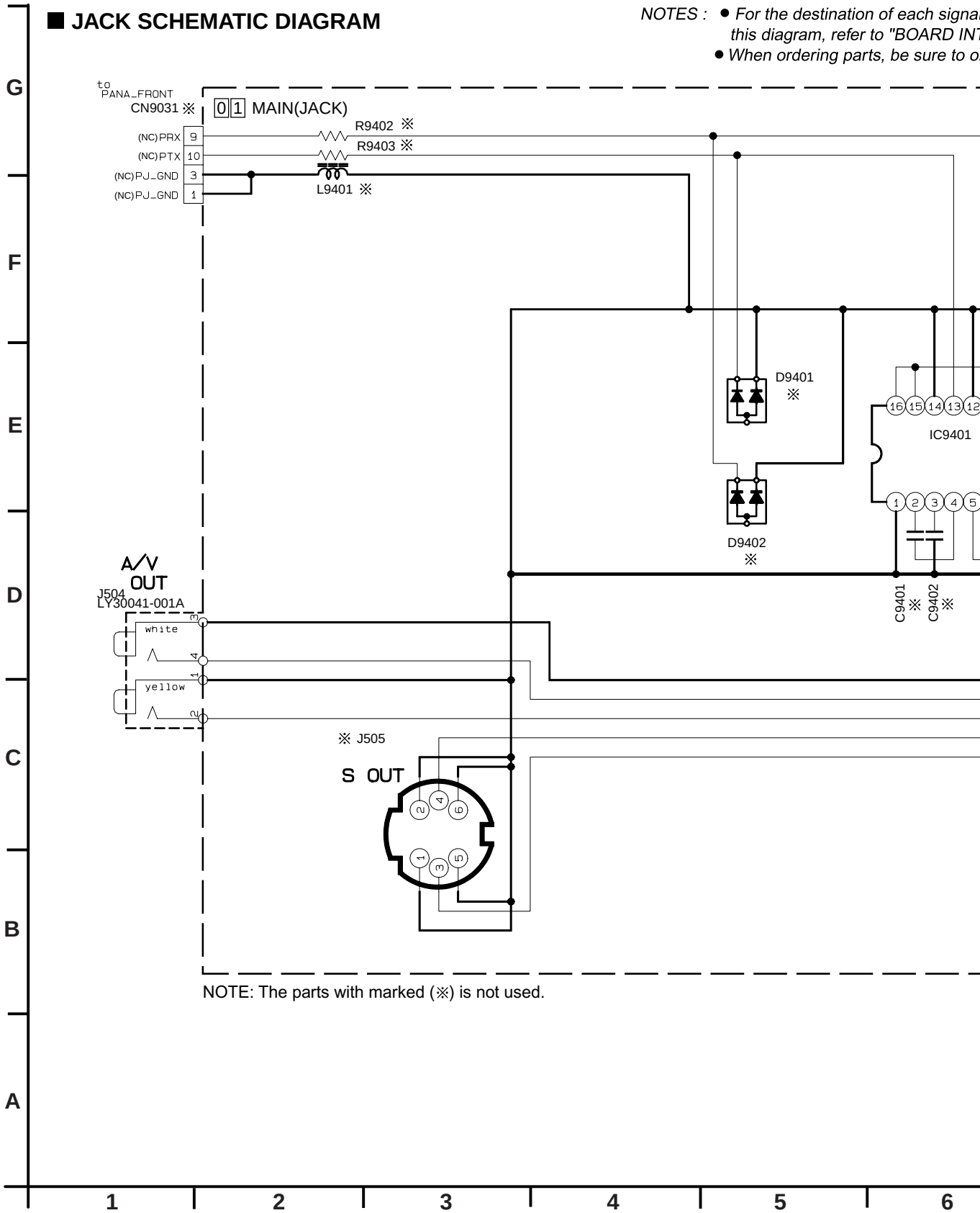


NOTES: 1. The parts with marked (※) is not used.

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

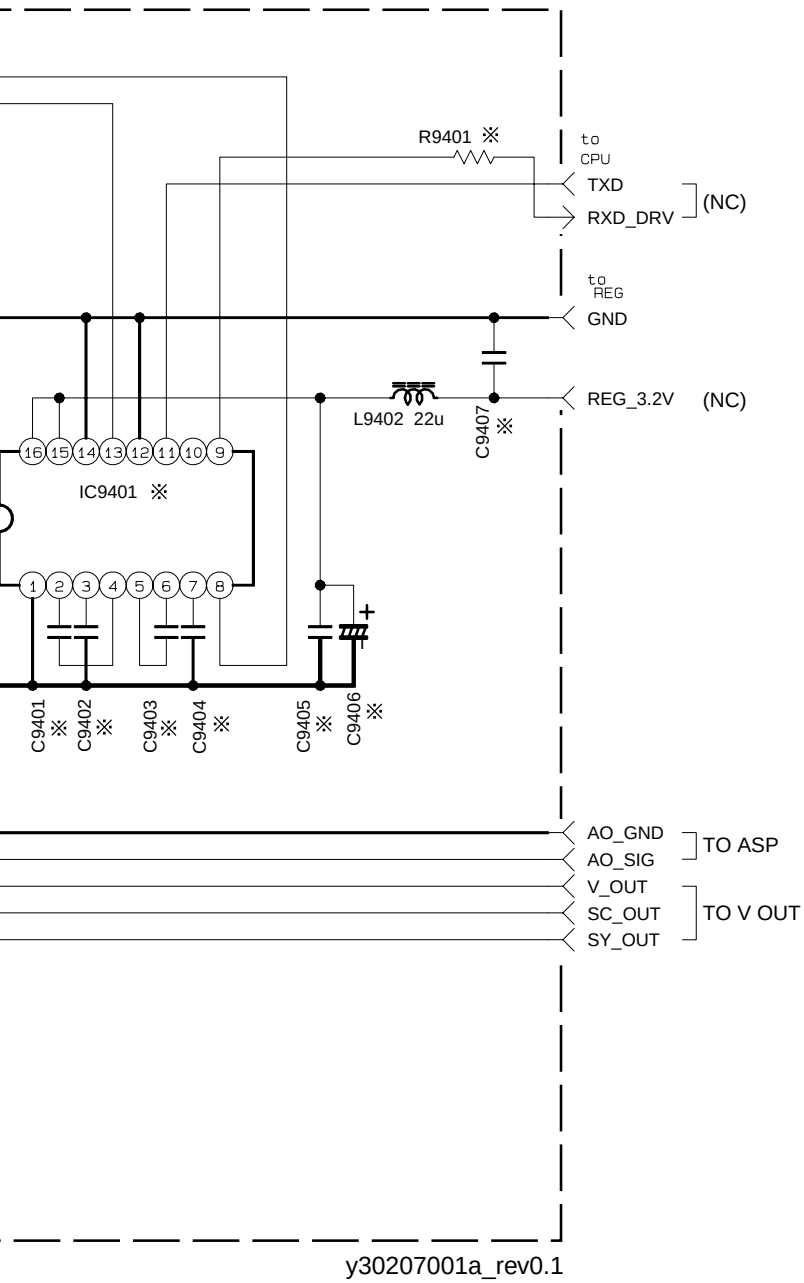


8.12. JACK SCHEMATIC DIAGRAM



NOTE: The parts with marked (※) is not used.

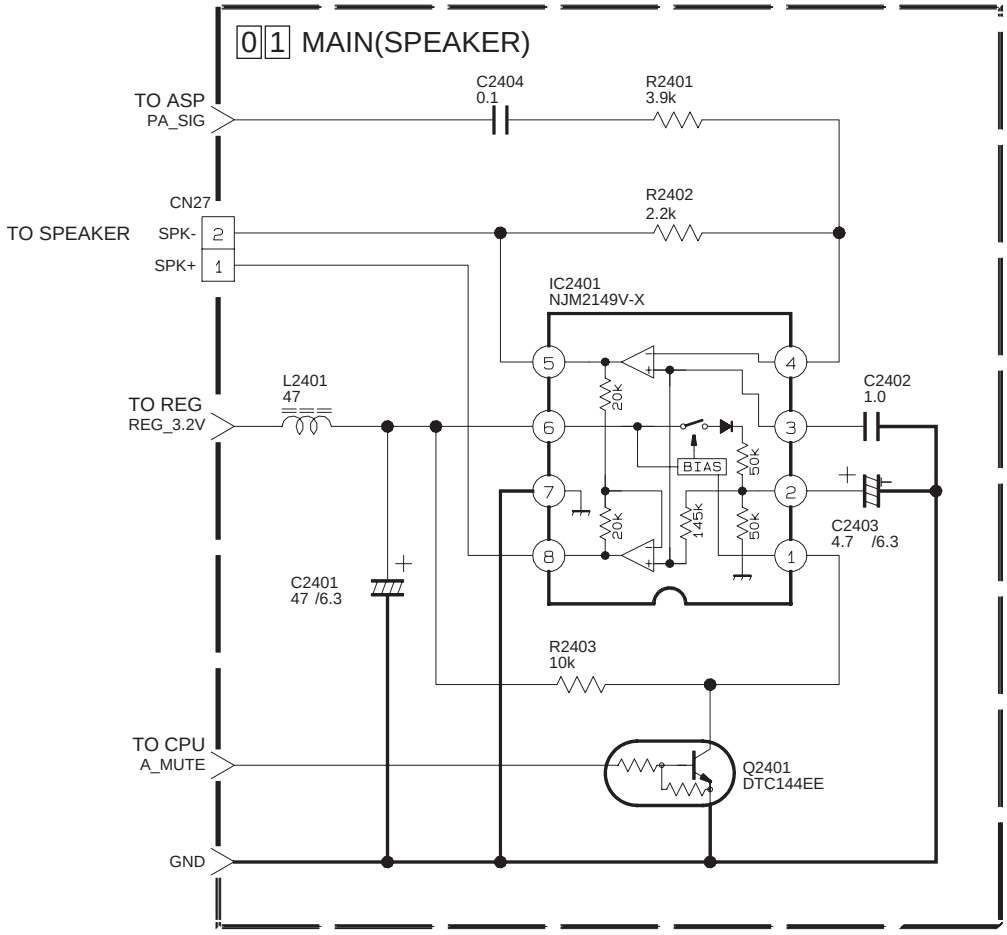
of each signal and further line connections that are cut off from
to "BOARD INTERCONNECTIONS".
s, be sure to order according to the Part Number indicated in the Parts List.



y30207001a_rev0.1

■ SPEAKER SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

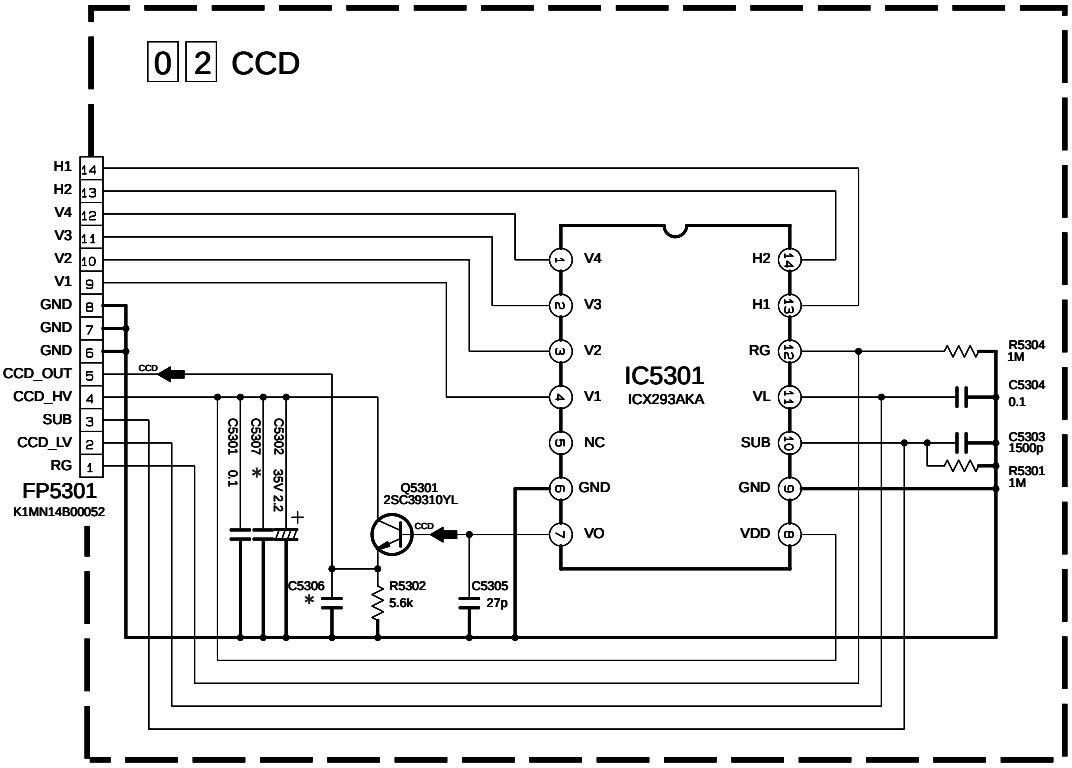


NOTE: The parts with marked (※) is not used.

y40100001a_rev0.0

8.14. CCD SCHEMATIC DIAGRAM

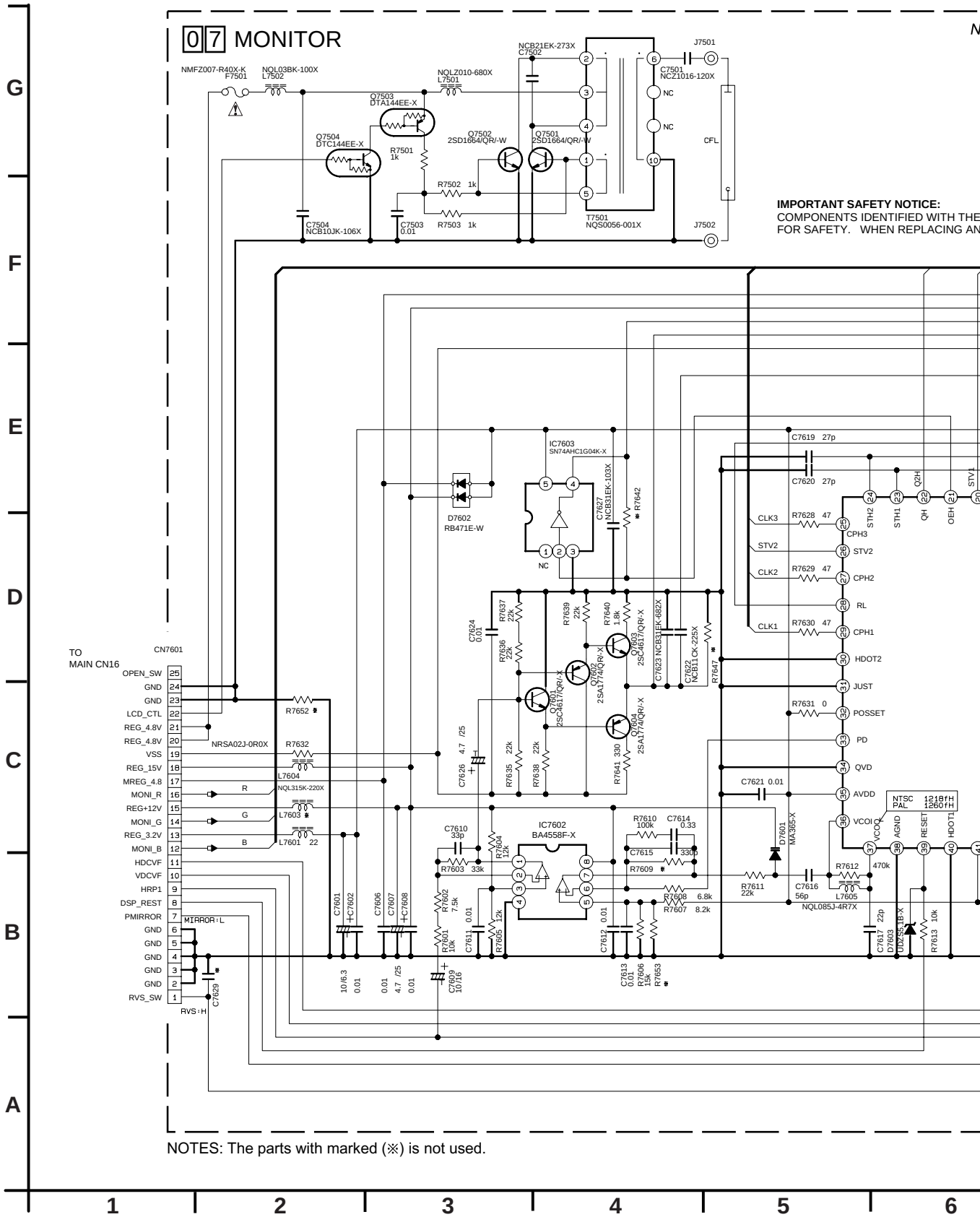
NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "7.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



NOTE : The parts with marked (∗) is not used.

8.15. MONITOR SCHEMATIC DIAGRAM

■ MONITOR SCHEMATIC DIAGRAM

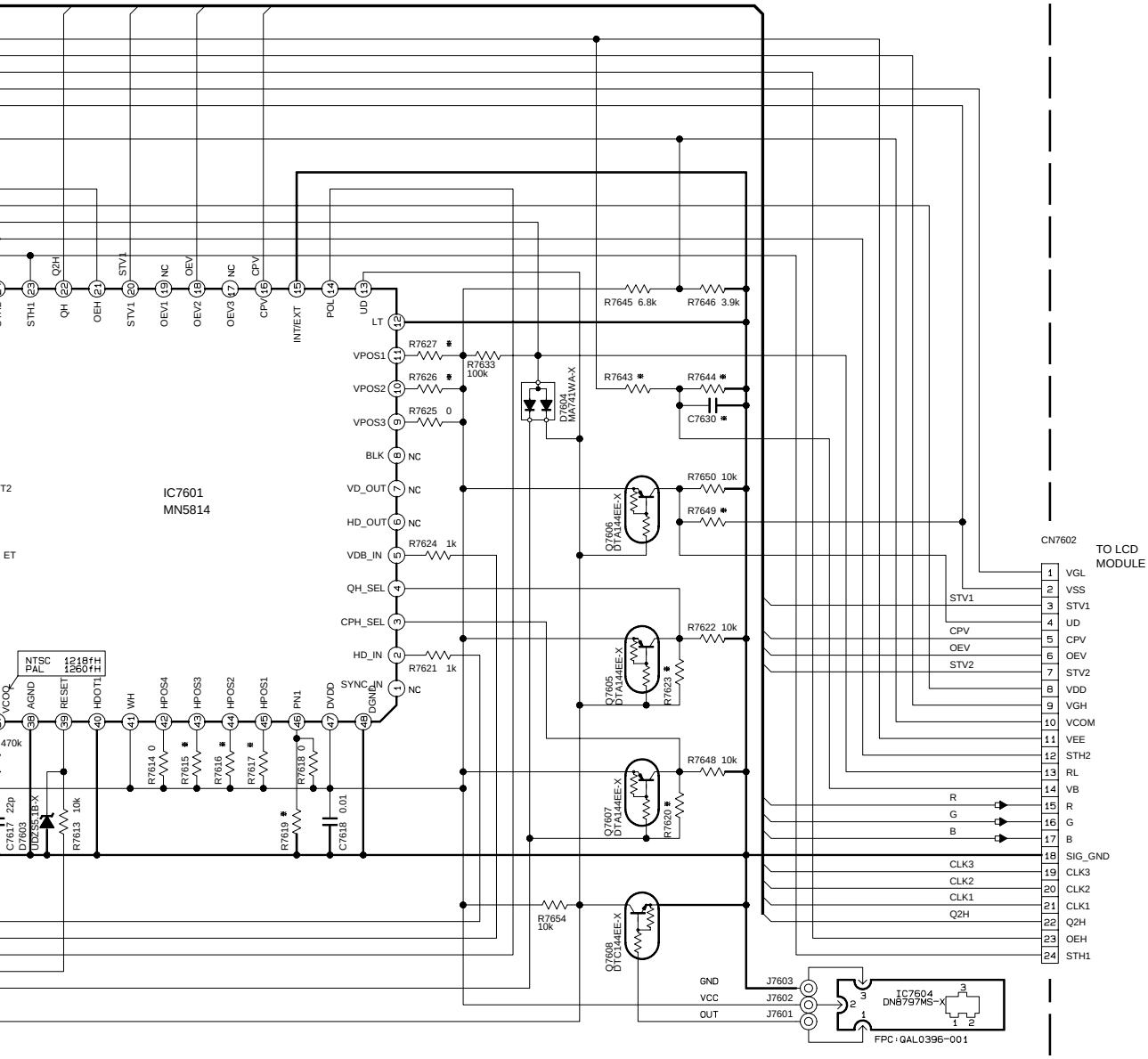


NOTES: The parts with marked (※) is not used.

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*

● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

TY NOTICE:
NTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS
EN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.



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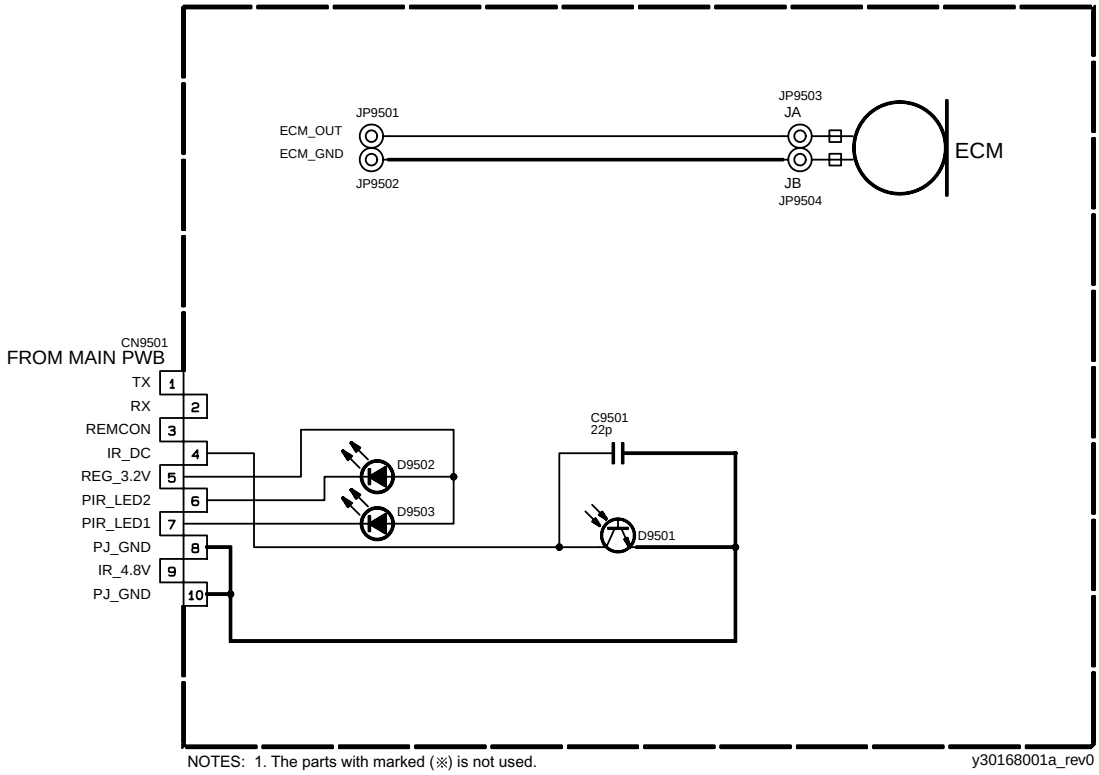
NV-VZ17B/EG/EGE/EGM/EM/EN MONITOR SCHEMATIC DIAGRAM

6 | 7 | 8 | 9 | 10 | 11

■ FRONT SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



NOTES: 1. The parts with marked (※) is not used.

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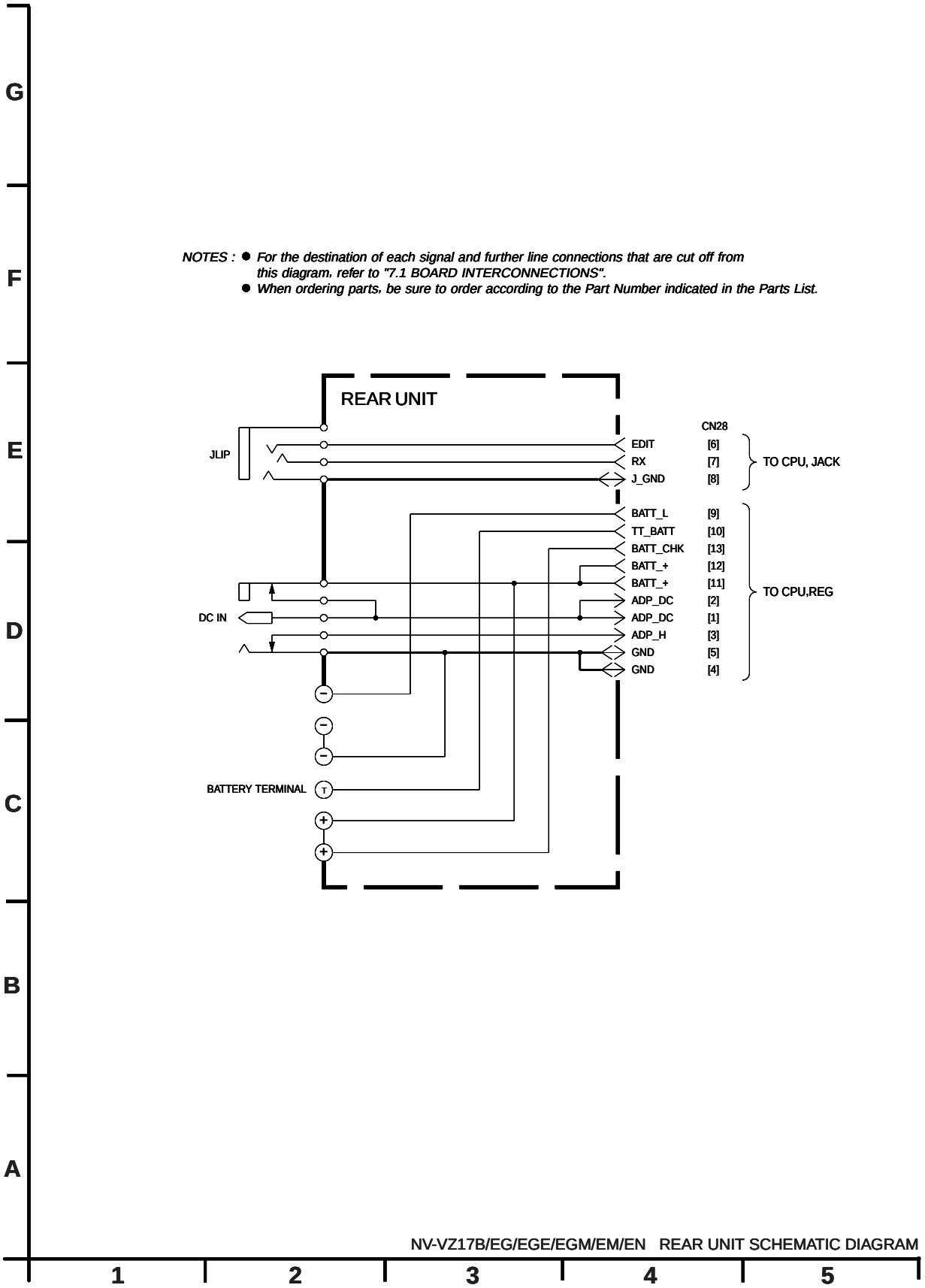
NV-VZ17B/EG/EGE/EGM/EM/EN FRONT SCHEMATIC DIAGRAM

8.17. REAR SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "7.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

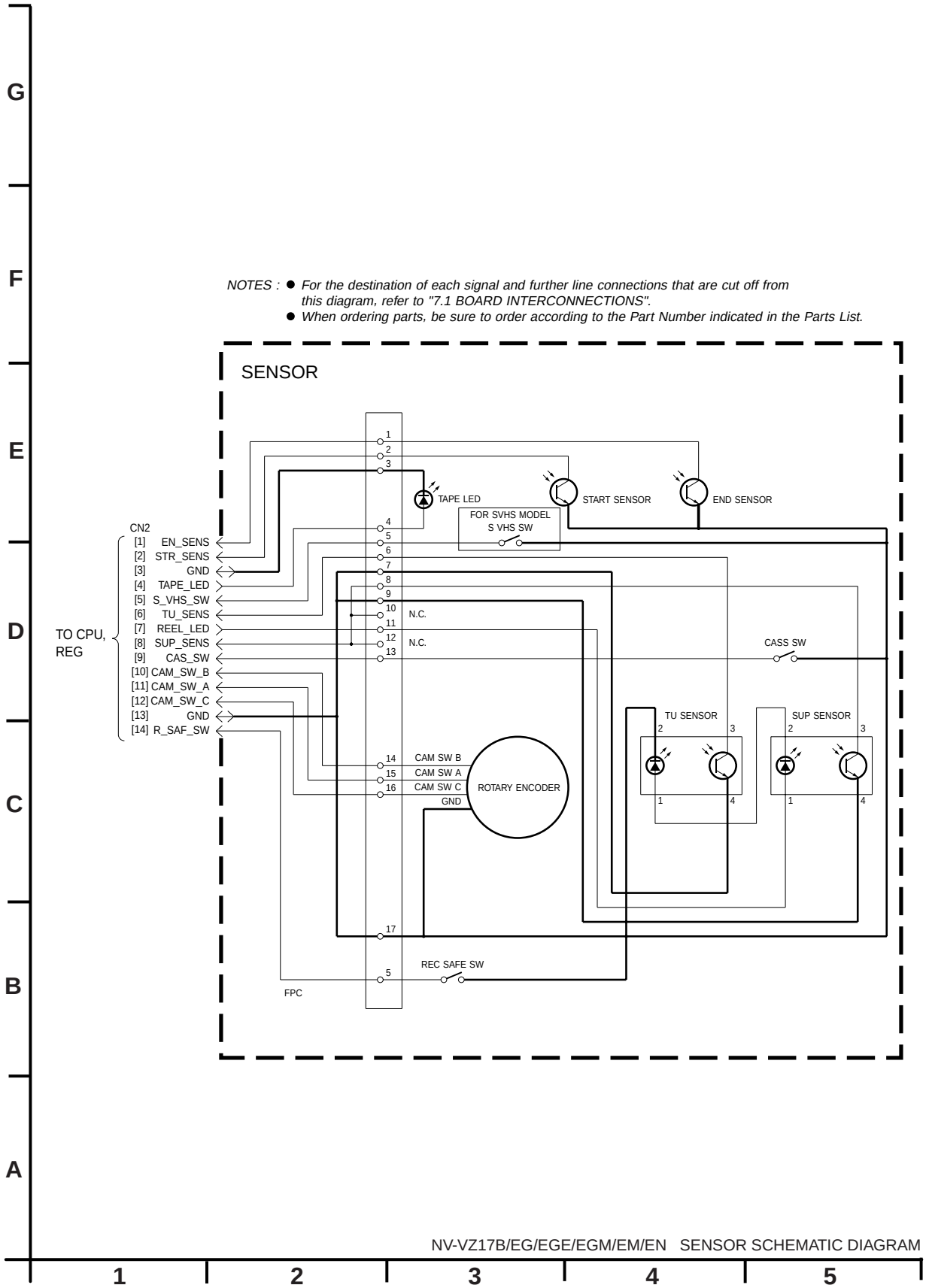


NV-VZ17B/EG/EGE/EGM/EM/EN REAR UNIT SCHEMATIC DIAGRAM

8.18. SENSOR SCHEMATIC DIAGRAM

8.19.

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "7.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

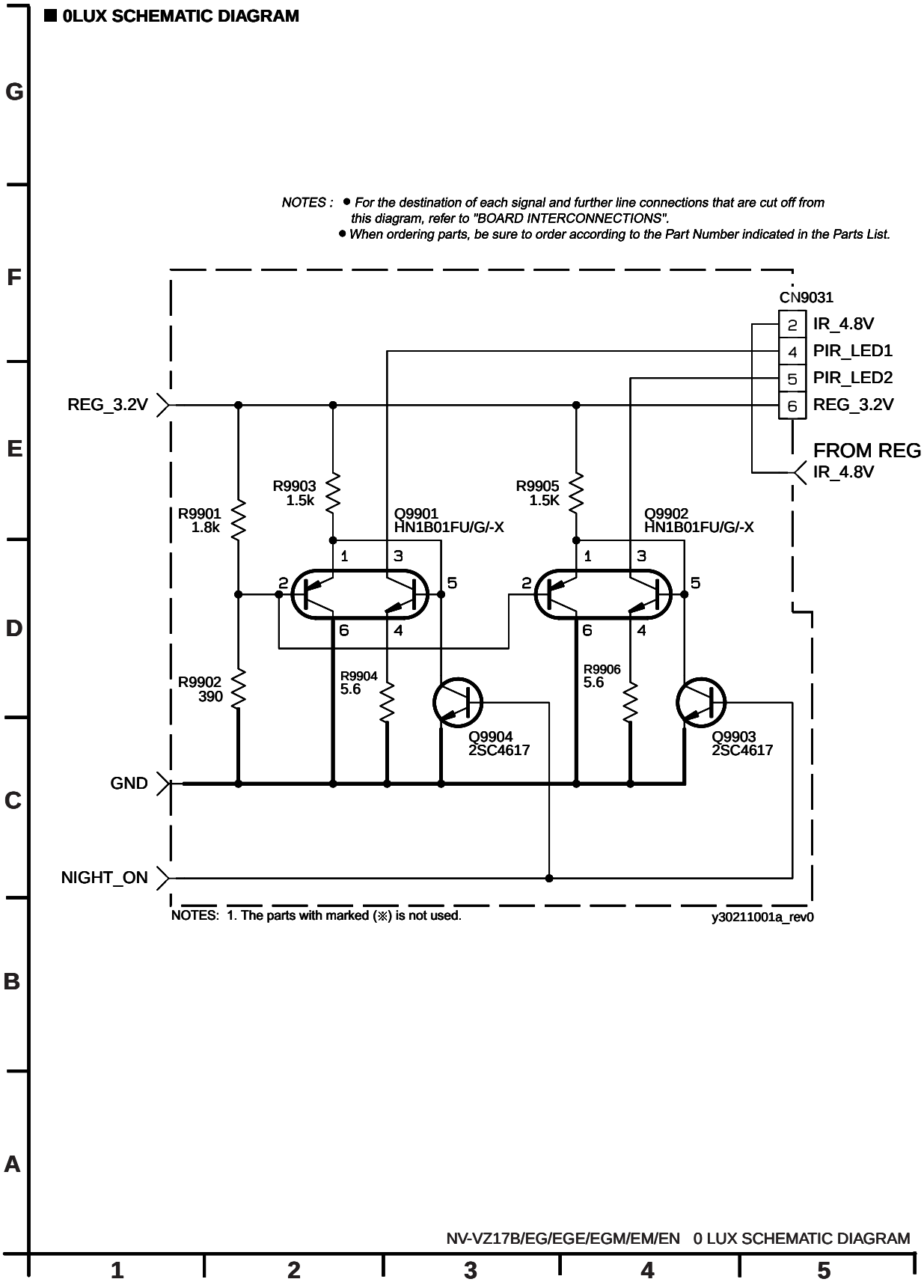


NV-VZ17B/EG/EGE/EGM/EM/EN SENSOR SCHEMATIC DIAGRAM

8.19. 0 LUX SCHEMATIC DIAGRAM

■ 0LUX SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

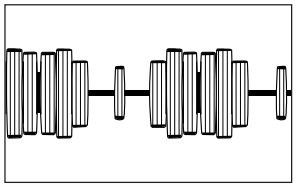


NV-VZ17B/EG/EGE/EGM/EM/EN 0 LUX SCHEMATIC DIAGRAM

8.20. WAVEFORM TABLE

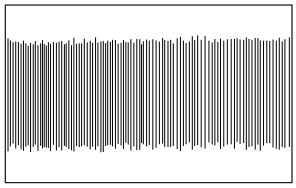
— ASP —

WF1 IC3501-19



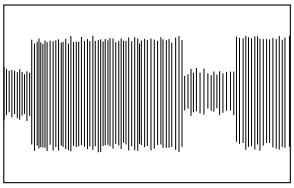
REC 0.11 Vp-p
2 mV/10 µsec/DIV

WF2 IC3501-20



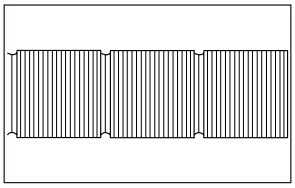
REC 0.35 Vp-p
10 mV/10 µsec/DIV

WF3 IC3501-21



PB 24 mVp-p
1 mV/5 msec/DIV

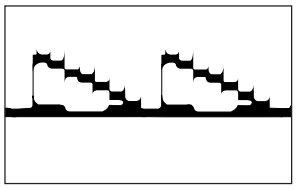
WF4 IC3501-25



PB 0.26 Vp-p
10 mV/5 msec/DIV

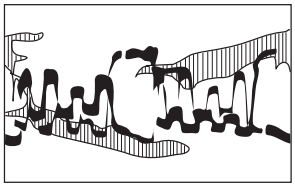
— DSP —

WF1 IC4001-146



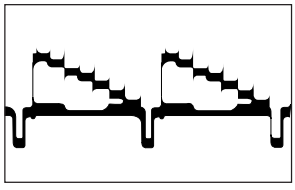
REC/PB 0.29 Vp-p
10 mV/20 µsec/DIV

WF2 IC4001-147



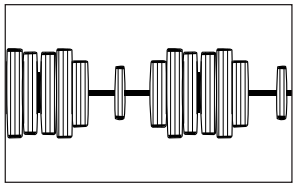
REC/PB 0.1 Vp-p
5 mV/10 µsec/DIV
PB 0.3 Vp-p
10 mV/10 µsec/DIV

WF3 IC4001-160



REC/PB 0.58 Vp-p
10 mV/20 µsec/DIV

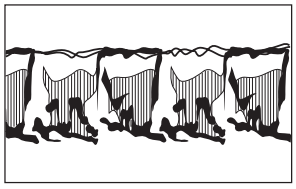
WF4 IC4001-161



REC 0.36Vp-p
PB 0.36 Vp-p
5 mV/10 µsec/DIV

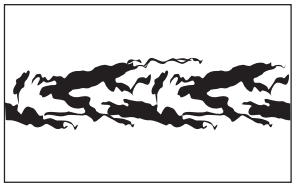
— TG/CDS —

WF5 IC4001-168



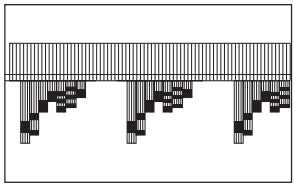
REC /PB 0.38 Vp-p
5 mV/10 µsec/DIV

WF6 IC4001-169



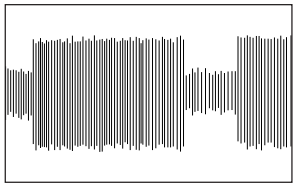
REC 50 mVp-p
5 mV/10µsec/DIV
PB 0.2 Vp-p

WF1 IC5201-51



REC 0.26 Vp-p
5 mV/10 µsec/DIV

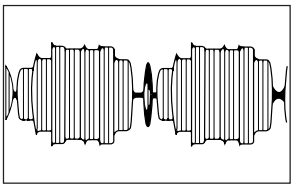
WF2 IC5201-44



PB 24 mVp-p
1 mV/5 msec/DIV

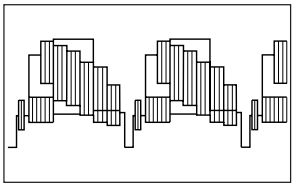
— VOUT —

WF1 IC4702-9



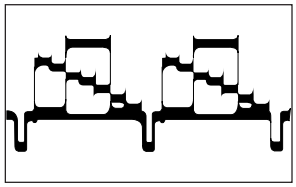
REC 0.4 Vp-p
PB 0.44 Vp-p
10 mV/10 µsec/DIV

WF2 IC4702-12



REC/PB 0.7 Vp-p
10 mV/10 µsec/DIV

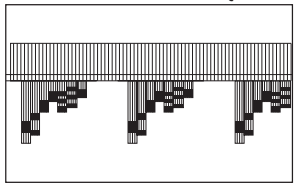
WF3 IC4702-15



REC/PB 0.58 Vp-p
10 mV/10 µsec/DIV

— CCD —

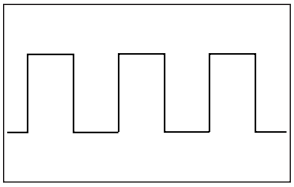
WF1 Q5301-B



EE 0.28 Vp-p
10 mV/10 µsec/DIV

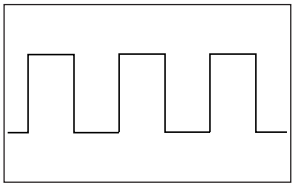
— CPU —

WF1 IC101-109



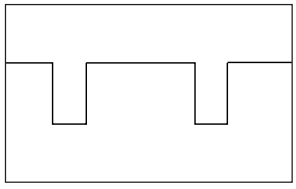
REC/PB 0.9 Vp-p
20 mV/0.5 msec/DIV

WF2 IC101-111



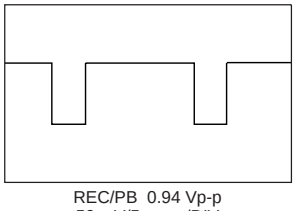
REC/PB 0.9 Vp-p
20 mV/0.1 msec/DIV

WF3 IC101-113



REC/PB 0.95 Vp-p
50 mV/5 msec/DIV

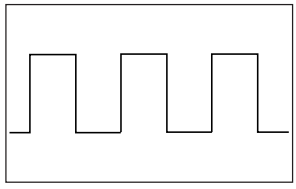
WF2 IC1601-26



REC/PB 0.94 Vp-p
50 mV/5 msec/DIV

— M.MDA —

WF1 IC1601-25



REC/PB 0.9 Vp-p
20 mV/0.1 msec/DIV

8.21. VOLTAGE CHARTS

<CPU>

MODE PIN NO.	REC	PLAY
IC101		
1	3.2	3.2
2	3.2	3.2
3	0	0
4	3.2	3.2
5	0	0
6	0	0
7	3.2	0
8	0	1.3
9	0.3	0.6
10	3.2	3.2
11	0	0
12	1.3	1.3
13	3.2	3.2
14	0	0
15	0.3	0.3
16	2.0	1.6
17	0	0
18	3.2	3.2
19	0	0
20	0	0
21	3.2	0
22	1.6	1.6
23	0	0
24	3.0	2.9
25	3.1	3.2
26	1.5	0
27	0	0
28	0	0
29	0	0
30	3.2	3.2
31	2.9	2.7
32	3.2	3.3
33	3.2	3.2
34	3.1	3.2
35	3.1	3.2
36	0.3	0.1
37	0	0
38	3.2	3.2
39	3.2	3.2
40	0	0
41	0	0
42	3.2	3.2
43	3.2	0
44	0	0
45	0	0
46	3.0	3.0
47	3.2	3.1
48	0	0
49	3.0	0
50	3.0	3.1
51	0	3.0
52	3.0	3.0
53	2.9	-
54	-	-
55	3.2	3.2
56	0	0
57	1.3	1.3
58	1.7	1.7
59	2.0	0
60	0	0
61	2.9	2.9
62	2.8	1.8
63	3.2	3.2
64	3.0	3.0
65	0	0
66	3.3	3.3
67	3.2	3.2
68	0	0
69	3.2	3.2
70	1.5	1.5
71	0	-
72	-	0
73	1.6	1.6
74	0	0
75	0	0
76	2.9	2.9
77	0	0
78	0	0.1
79	0	0
80	0	0
81	3.2	3.2
82	0	0
83	2.0	0
84	0	0
85	3.2	0
86	3.2	0
87	3.2	0
88	0	0
89	0.2	0.2
90	3.2	3.2
91	3.3	3.3
92	3.0	3.0
93	3.1	3.1
94	3.2	3.2
95	3.0	3.0
96	0	0

MODE PIN NO.	REC	PLAY
97	0	0
98	0.2	0.2
99	3.2	3.2
100	0	0
101	0	0
102	3.2	3.2
103	1.6	1.6
104	0.6	-
105	0	0
106	0	0
107	3.1	3.2
108	3.2	3.2
109	1.7	1.7
110	0	0
111	1.6	1.7
112	1.8	0
113	2.9	2.9
114	3.0	3.1
115	3.0	3.1
116	-	-
117	0	3.0
118	3.2	3.2
119	3.2	3.2
120	3.2	0
121	2.9	2.9
122	0	0
123	0	0
124	0	0
125	2.1	0.6
126	3.2	3.2
127	1.3	1.3
128	3.2	3.2
129	0.7	0.5
130	1.7	1.7
131	3.2	3.2
132	0	0
133	3.2	3.2
134	0	0
135	3.2	3.2
136	3.2	3.2
137	0	0
138	0	0
139	0	0
140	3.2	3.2
141	3.2	3.2
142	3.2	3.2
143	3.1	3.2
144	3.2	3.2
145	1.1	1.2
146	1.2	1.1
147	1.2	1.2
148	1.1	1.1
149	1.1	1.1
150	1.1	1.1
151	1.1	1.1
152	1.1	1.1
153	3.2	3.2
154	0	0
155	1.2	1.1
156	1.2	1.1
157	1.2	1.1
158	1.1	1.1
159	1.2	1.1
160	1.1	1.1
161	1.0	1.1
162	1.1	1.1
163	0	0
164	3.2	3.2
165	0	0
166	3.2	0
167	0	0
168	0	0
169	1.6	1.6
170	3.1	3.1
171	0	0
172	0	0
173	0	0
174	0	3.1
175	0	0
176	0	0
IC102		
1	3.2	3.2
2	0	0
3	3.2	3.2
4	0	0
5	0	0
6	3.2	3.2
7	3.3	3.3
8	3.2	3.2
IC103		
1	0	0
2	3.2	3.2
3	0	0
4	0	0
5	0	0
6	0.5	0.5
7	0.6	0.6

MODE PIN NO.	REC	PLAY
8	3.1	3.1
IC104		
1	3.3	3.3
2	0	0
3	0	0
4	0	0
5	3.2	3.2
IC105	-	-
IC1801	-	-
Q101		
E	11.0	11.1
C	11.0	11.0
B	10.3	10.3
Q102		
E	0	0
C	0	0
B	3.2	3.2
Q103		
E	0	0
C	4.3	4.3
B	0	0
Q108		
E	0	0
C	0	0
B	3.2	3.2
Q109		
E	0	0
C	2.5	2.2
B	0	0

<M.MDA>

MODE PIN NO.	REC	PLAY
IC1601		
1	0	0
2	0	0
3	1.5	1.5
4	2.6	2.6
5	3.1	3.1
6	1.7	1.8
7	1.6	1.6
8	0	0
9	0	0
10	1.2	1.2
11	0.4	0.3
12	0.3	0.4
13	1.7	1.7
14	0	0
15	1.2	1.2
16	8.8	8.7
17	11.0	11.1
18	10.9	10.9
19	1.6	1.6
20	0	0
21	1.8	1.8
22	3.2	3.2
23	0	0
24	0.4	0.4
25	1.6	1.7
26	2.9	3.0
27	1.7	1.7
28	1.2	1.2
29	1.2	1.1
30	1.2	1.2
31	0.2	0
32	1.2	1.2
33	1.2	1.2
34	1.2	1.2
35	1.2	1.2
36	3.0	3.0
37	0.0	0
38	1.7	1.7
39	0.0	1.6
40	1.3	1.3
41	0.0	3.2
42	2.5	2.5
43	-	-
44	-	-
45	-	-
46	-	-
47	-	-
48	-	-
49	-	-
50	-	-
51	-	-
52	-	-
53	-	-
54	-	-
55	-	-
56	-	-
57	0	0
58	0	0
59	0	1.6
60	1.4	1.4
61	1.5	1.6
62	1.4	1.4
63	1.5	1.5
64	1.4	1.4
IC1602		
1	0.5	0.5
2	0	0
3	2.2	2.2
4	3.2	3.2
5	3.2	3.2
Q1601		
E	1.7	1.8
C	4.7	4.8
B	2.4	2.4

<ASP>

MODE PIN NO.	REC	PLAY
IC2001		
1	1.5	3.2
2	1.6	0
3	1.5	3.2
4	1.5	3.2
5	1.5	3.2
6	1.5	0
7	0	0
8	1.5	0
9	1.5	3.2
10	1.5	0
11	1.5	3.2
12	1.5	0
13	1.5	3.2
14	3.1	3.2
IC3501		
1	2.2	2.2
2	2.2	2.2
3	2.2	2.2
4	2.2	2.2
5	2.2	2.3
6	2.2	2.2
7	4.7	2.2
8	2.2	4.7
9	2.2	2.2
10	2.2	2.2
11	2.1	2.2
12	2.2	2.3
13	2.2	2.2
14	0	0
15	3.2	0
16	2.8	0.7
17	3.9	4.8
18	0	0
19	2.8	0
20	2.8	0.1
21	0.9	2.2
22	0	2.1
23	2.1	2.3
24	4.7	4.7
25	2.4	2.4
26	0	3.0
27	2.6	2.6
28	2.9	2.9
29	0	0
30	1.5	1.5
31	3.2	3.2
32	0.3	0.6
33	3.2	3.2
34	1.9	1.7
35	1.9	0
36	0	0
37	2.5	2.3
38	3.0	3.1
39	4.7	4.7
40	2.4	2.1
41	2.1	2.1
42	2.8	2.8
43	2.7	2.5
44	2.7	2.5
45	2.4	2.4
46	2.4	2.5
47	0.4	0.5
48	2.5	2.5
49	2.4	2.5
50	0	0
51	2.4	2.5
52	2.4	2.5
53	2.4	2.5
54	4.7	4.7
55	2.5	2.5
56	0	1.4
Q2001		
E	3.1	3.2
C	1.5	3.2
B	3.2	0
Q2007		
1(E)	-9.0	0
2(B)	-15.2	0.7
3(C)	0	0
4(E)	-8.7	0
5(B)	-15.2	0.7
6(C)	0	0
Q2008		
1(E)	3.1	1.8
2(B)	3.2	1.2
3(C)	3.2	1.2
4(E)	3.1	1.8
5(B)	3.2	1.2
6(C)	-15.3	0.8
Q2021		
E	0	0
C	0.3	0
B	0	0
Q2022		
E	0	0
C	0	0

MODE PIN NO.	REC	PLAY
B	0	0
Q2023		
E	0	0
C	0	0
B	0	0
Q2071		
E	4.4	4.4
C	4.7	4.7
B	4.7	4.7
Q3501		
1(E)	2.2	2.2
2(B)	2.4	2.3
3(C)	2.2	2.2
4(E)	2.2	2.2
5(B)	2.3	2.2
6(C)	2.2	2.2
Q3502		
1(E)	2.2	2.2
2(B)	2.3	2.3
3(C)	2.2	2.1
4(E)	2.1	2.1
5(B)	2.2	2.3
6(C)	2.2	2.2
Q3505		
E	0	0
C	2.8	0
B	0	2.7
Q3901		
1(E)	4.6	4.7
2(B)	3.9	4.8
3(C)	3.9	0
4(E)	4.5	4.7
5(B)	3.9	4.7
6(C)	0	0

<SPEAKER>

MODE PIN NO.	REC	PLAY
IC2401		
1	2.9	2.9
2	1.2	1.3
3	1.2	1.3
4	1.2	1.3
5	1.3	1.3
6	3.2	3.2
7	0	0
8	1.2	1.3
Q2401		
E	0	0
C	2.9	2.9
B	0	0

<DSP>

MODE PIN NO.	REC	PLAY
IC4001		
1	3.2	3.2
2	0.5	0.8
3	0	0
4	1.6	1.6
5	3.2	3.2
6	3.2	3.2
7	0.7	0.8
8	0.7	0.8
9	0.7	0.9
10	3.1	3.1
11	0.6	0.6
12	0.5	0.8
13	0.6	0.8
14	0.6	0.7
15	0	0
16	0.5	0.7
17	0.6	0.9
18	0.5	0.7
19	1.8	1.8
20	0.5	0.7
21	0.5	0.7
22	0.6	0.7
23	0.5	0.6
24	0.5	0.7
25	0.5	0.6
26	0	0
27	1.8	1.8
28	0.3	0.2
29	0	0
30	1.6	1.6
31	0.6	0.6
32	2.9	2.9
33	1.8	1.8
34	3.0	3.0
35	0.2	0.2
36	3.1	3.1
37	0	0
38	0.5	0
39	1.2	0.6
40	1.2	0.7
41	3.1	3.1
42	1.1	0.7
43	0.9	0.7
44	1.2	0.7
45	0.8	0.7
46	0.8	0.7
47	0.5	0.6
48	0	0
49	0.8	0.7
50	1.0	0.7
51	1.0	0.7
52	1.4	0.8
53	1.5	1.3
54	1.5	1.6
55	0	0
56	0.3	0.2
57	0	0.1
58	3.1	3.1
59	1.2	1.9
60	0	1.1
61	1.0	2.1
62	0.9	1.3
63	0.5	2.0
64	0.8	1.3
65	0.8	1.6
66	0.5	0.7
67	1.0	2.0
68	1.0	1.3
69	0	0
70	1.8	1.8
71	0.9	2.1
72	1.3	1.1
73	1.3	1.7
74	1.3	1.3
75	1.1	1.6
76	1.8	1.8
77	1.0	1.7
78	0.6	1.7
79	0.8	1.7
80	0.8	1.3
81	0.5	0.8
82	0	0
83	1.8	1.8
84	0.9	1.5
85	0.9	1.5
86	0.9	1.5
87	1.5	1.5
88	1.5	1.4
89	0	0
90	0	0
91	0	0
92	3.0	3.0
93	0	0
94	3.2	3.2
95	2.6	2.6
96	2.6	2.6

MODE PIN NO.	REC	PLAY
97	0	0
98	0	0
99	0	0
100	0	1.5
101	0.4	1.6
102	0.7	1.6
103	0.5	1.6
104	0	0
105	2.4	1.6
106	0.8	1.5
107	0.9	1.6
108	0.9	1.6
109	1.4	1.7
110	1.4	1.8
111	3.1	3.1
112	1.6	1.6
113	2.8	0.3
114	3.0	0
115	0	0.1
116	0	0
117	0	0
118	1.5	1.5
119	0	0
120	0	0
121	1.6	1.6
122	1.6	1.6
123	1.8	1.8
124	3.2	3.2
125	3.2	3.2
126	0.2	0.6
127	0	0
128	1.8	1.8
129	1.6	1.6
130	1.5	1.5
131	1.5	1.5
132	1.5	1.4
133	1.8	1.8
134	0	1.5
135	3.0	3.0
136	0	0
137	3.1	1.5
138	1.0	0.9
139	0	3.1
140	3.2	3.2
141	0	0
142	3.1	3.1
143	0	0
144	3.1	3.1
145	0	0
146	0.3	0
147	0.8	0.9
148	0	0.7
149	0	0.7
150	0	2.5
151	0	0
152	3.1	3.1
153	0	0
154	0	0
155	3.1	3.1
156	0	0
157	2.4	2.4
158	0.7	0.7
159	0.8	0.7
160	0.3	0.3
161	0.7	0.6
162	0	0
163	3.1	3.1
164	0	0
165	0	0
166	3.1	3.1
167	0	0
168	0.9	1.0
169	0.7	0.8
170	0	0.7
171	0.7	0.7
172	2.5	2.4
173	0	0
174	3.1	3.1
175	0	0
176	0	0
177	3.1	3.2
178	1.5	1.5
179	0.1	3.1
180	1.5	1.5
181	3.1	3.1
182	0	0
183	3.1	3.1
184	2.9	2.9
185	0	1.3
186	0	0
187	0	0
188	0	0
189	0	0
190	1.8	1.8
191	0	0
192	0	0
193	0	0

MODE PIN NO.	REC	PLAY
194	0	0
195	0	0
196	0	0
197	0	0
198	0	0
199	0	0
200	3.1	3.2
201	0	0
202	3.1	3.1
203	0	0
204	1.7	1.8
205	0	0
206	0	3.1
207	0	0
208	2.4	0
209	0.7	0.7
210	0	0.7
211	0.6	0
212	0.1	0.3
213	0	0
214	3.1	3.1
215	0	0
216	0	0
217	3.0	3.1
218	0	0
219	1.5	1.6
220	0.4	1.5
221	1.2	1.2
222	1.6	1.6
223	1.6	1.7
224	0	0
225	3.1	3.1
226	0	0
227	3.0	3.0
228	0	1.4
229	2.1	2.1
230	0	0
231	3.1	3.1
232	2.9	2.9
233	0	1.4
234	2.3	0
235	1.6	1.6
236	0.1	0
237	1.4	1.4
238	1.4	1.5
239	0	1.5
240	0	0
IC4002		
1	0	0
2	0.8	1.6
3	0.5	1.7
4	0.9	1.6
5	1.1	1.5
6	1.3	1.3
7	1.4	1.7
8	1.5	1.5
9	0	0
10	0	0
11	0	0
12	0	0
13	2.6	2.6
14	3.1	3.2
15	1.2	1.9
16	1.1	1.0
17	3.1	3.1
18	1.0	1.6
19	0.9	1.2
20	0	0
21	0.5	2.0
22	0.8	1.2
23	3.1	3.1
24	0.9	1.7
25	0.5	0.8
26	0	0
27	0.8	2.0
28	0	1.3
29	3.1	3.1
30	0.9	1.8
31	1.3	1.2
32	3.0	3.0
33	0	0
34	2.6	2.6
35	0	0
36	0	0
37	0	0
38	1.5	1.5
39	1.5	1.5
40	0.9	1.5
41	1.0	1.5
42	0.8	1.5
43	0.5	0.8
44	0.8	1.3
IC4003		
1	3.1	3.1
2	2.9	2.7
3	3.0	3.0
4	3.2	3.2

MODE PIN NO.	REC	PLAY
194	0	0
195	0	0
196	0	0
197	0	0
198	0	0
199	0	0
200	3.1	3.2
201	0	0
202	3.1	3.1
203	0	0
204	1.7	1.8
205	0	0
206	0	3.1
207	0	0
208	2.4	0
209	0.7	0.7
210	0	0.7
211	0.6	0
212	0.1	0.3
213	0	0
214	3.1	3.1
215	0	0
216	0	0
217	3.0	3.1
218	0	0
219	1.5	1.6
220	0.4	1.5
221	1.2	1.2
222	1.6	1.6
223	1.6	1.7
224	0	0
225	3.1	3.1
226	0	0
227	3.0	3.0
228	0	1.4
229	2.1	2.1
230	0	0
231	3.1	3.1
232	2.9	2.9
233	0	1.4
234	2.3	0
235	1.6	1.6
236	0.1	0
237	1.4	1.4
238	1.4	1.5
239	0	1.5
240	0	0
IC4002		
1	0	0
2	0.8	1.6
3	0.5	1.7
4	0.9	1.6
5	1.1	1.5
6	1.3	1.3
7	1.4	1.7
8	1.5	1.5
9	0	0
10	0	0
11	0	0
12	0	0
13	2.6	2.6
14	3.1	3.2
15	1.2	1.9
16	1.1	1.0
17	3.1	3.1
18	1.0	1.8
19	0.9	1.2
20	0	0
21	0.5	2.0
22	0.8	1.2
23	3.1	3.1
24	0.9	1.7
25	0.5	0.8
26	0	0
27	0.8	2.0
28	0	1.3
29	3.1	3.1
30	0.9	1.8
31	1.3	1.2
32	3.0	3.0
33	0	0
34	2.6	2.6
35	0	0
36	0	0
37	0	0
38	1.5	1.5
39	1.5	1.5
40	0.9	1.5
41	1.0	1.5
42	0.8	1.5
43	0.5	0.8
44	0.8	1.3
IC4003		
1	3.1	3.1
2	2.9	2.7
3	3.0	3.0
4	3.2	3.2

MODE PIN NO.	REC	PLAY
5	3.1	3.1
6	0	0
7	1.2	1.3
8	1.3	1.3
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	3.0	3.1
20	2.9	2.9
Q4001	-	-

<F/Z/I/MDA>

MODE PIN NO.	REC	PLAY
IC4201		
1	2.0	0.5
2	1.9	1.8
3	1.9	1.9
4	4.7	4.8
5	1.9	1.9
6	1.9	1.9
7	1.9	1.9
8	1.5	1.5
9	1.9	1.9
10	1.9	1.9
11	0	0
12	1.9	1.9
13	1.9	1.9
14	2.8	2.8
IC4202		
1	1.9	3.6
2	2.0	0.4
3	1.7	0.4
4	4.8	4.8
5	2.0	0
6	2.1	0.5
7	2.2	0
8	0	1.2
9	0.5	0.5
10	0.5	0.5
11	0	0
12	1.9	2.0
13	1.9	1.9
14	1.9	1.9
IC4501		
1	0	0
2	0.6	0.6
3	0	0.3
4	0.3	0
5	0	0.4
6	0.3	0
7	0	0
8	3.2	3.2
9	4.8	4.8
10	0	0
11	0	0
12	0	0
13	4.7	4.8
14	0.3	0
15	0	0
16	0.3	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	4.8	4.8
24	0.9	0.2
25	0	0
26	0.9	0.2
27	4.7	4.8
28	0.9	0.2
29	0	0
30	0.9	0.2
31	3.1	3.2
32	0	0
33	0	0
34	0.3	0.6
35	3.1	3.2
36	1.5	1.6
37	1.5	1.6
38	3.2	3.2
Q4201		
E	0.5	0.5
C	1.0	1.0
B	1.1	1.2
Q4202		
E	1.1	2.9
C	4.8	4.8
B	1.9	3.6
Q4251		
E	0	0
C	4.4	4.4
B	-	-
Q4501		
E	0	0
C	3.8	3.7
B	0	0
Q4502	-	-
Q4503	-	-
Q4504	-	-

<V-OUT>

MODE PIN NO.	REC	PLAY
IC4701	-	-
IC4702		
1	0	0
2	2.3	2.3
3	0	0
4	0	0
5	0	0
6	0	0
7	1.9	1.9
8	0	0
9	2.3	2.3
10	0	0
11	2.0	1.9
12	2.1	2.1
13	4.7	4.7
14	1.8	1.8
15	1.8	1.8
16	4.7	4.8
Q4701		
E	1.0	1.1
C	0	0
B	0.4	0.4
Q4702		
E	0	1.3
C	0	0
B	1.3	0.6

<TG CDS>

MODE PIN NO.	REC	PLAY
IC5201		
1	1.5	1.6
2	0	0
3	1.3	1.8
4	1.3	1.7
5	1.1	1.6
6	0.9	1.6
7	0.7	1.5
8	2.4	1.6
9	0.4	1.6
10	0.5	1.6
11	0.4	1.6
12	0	1.5
13	3.1	3.2
14	0	0
15	1.5	1.6
16	2.8	0.3
17	3.0	0
18	3.2	3.2
19	0	0
20	3.1	3.2
21	3.1	3.2
22	1.7	1.7
23	0	1.0
24	0	0
25	0	0
26	0	1.4
27	1.5	1.5
28	3.1	3.2
29	3.1	3.2
30	0	0
31	0	0
32	2.9	0
33	2.9	0
34	3.1	3.2
35	3.1	3.2
36	3.1	0.3
37	3.1	0.3
38	3.1	0.2
39	3.1	1.5
40	0	0
41	0	0
42	0	0
43	0	0
44	0.3	1.0
45	1.2	1.2
46	0.9	0.9
47	2.0	2.0
48	1.4	1.5
49	3.1	3.2
50	0	0
51	2.0	1.4
52	3.1	3.2
53	2.0	0
54	2.0	0
55	0	0
56	3.2	0
57	0	0
58	1.0	0
59	3.1	3.2
60	0.4	0
61	3.1	3.2
62	3.1	0
63	0.3	0
64	3.1	3.2
IC5202		
1	-7.5	14.9
2	-7.5	-7.5
3	-0.2	0
4	0	0
5	-0.1	0
6	3.2	3.2
7	0.1	0
8	3.2	3.2
9	0	0
10	3.1	0.6
11	0	0
12	3.0	0
13	3.1	3.2
14	3.0	0
15	0	0
16	14.8	14.9
17	-7.0	0
18	-7.0	0
19	0	0
20	14.8	14.8

<REG>

MODE PIN NO.	REC	PLAY
IC6001		
1	3.2	3.2
2	3.2	3.2
3	0	0
4	-	-
5	0	0
6	11.1	11.0
7	1.0	1.0
8	1.3	1.3
9	2.1	2.2
10	0	0
11	0	0
12	0	0
13	0.2	0.4
14	0.2	0.2
15	0	0
16	2.2	2.1
17	0	0
18	2.1	2.2
19	1.0	1.0
20	0.6	0.6
21	1.0	1.0
22	0.4	0.5
23	1.0	1.0
24	0.7	0.8
25	1.0	1.0
26	0.6	0.6
27	0.8	0.7
28	0	0
29	1.0	1.0
30	0	0
31	2.4	2.4
32	1.0	1.1
33	0	0
34	2.1	0
35	2.1	0
36	2.2	2.1
37	8.0	8.0
38	0	0
39	11.1	11.0
40	8.2	8.1
41	0	0
42	9.0	9.0
43	7.7	7.7
44	0	0
45	11.1	11.0
46	0	0
47	0	0
48	3.3	3.5
IC6002		
1	3.3	3.3
2	0	0
3	11.0	11.1
Q6101		
1(A)	0	0
2(S)	11.0	11.0
3(G)	7.7	7.7
4(D)	3.2	3.2
5(NC)	0	0
6(CA)	3.2	3.2
Q6201		
1(G)	9.1	9.0
2(S)	11.0	11.1
3(A)	0	0
4(CA)	1.8	1.9
5(D)	1.8	1.8
Q6301		
1(G1)	6.0	6.1
2(S2)	11.0	11.0
3(G2)	8.1	8.1
4(D2)	0	0
5(S1)	11.0	11.0
6(D1)	4.8	4.9
Q6306		
E	0	0
C	0.3	0
B	0	0
Q6401		
1(G)	8.7	8.7
2(S)	11.0	11.1
3(A)	0	0
4(CA)	3.1	3.1
5(D)	3.2	3.2
Q6501		
1(G)	11.0	11.0
2(S)	11.0	11.1
3(A)	0	0
4(CA)	1.8	1.8
5(D)	1.8	1.8
Q6606	-	-
Q6607	-	-
Q6608		
E	0	0
C	14.8	14.9
B	-0.8	-0.8
Q6621	-	-
Q6622	-	-

MODE PIN NO.	REC	PLAY
Q6701		
1(D)	0	0
2(D)	0	0
3(G)	11.0	11.0
4(S)	11.0	11.0
5(D)	0	0
6(D)	0	0
Q6702		
E	0	0
C	0	0
B	0	0
Q6802		
E	3.3	3.3
C	3.2	3.2
B	0	0
Q6811	-	-

<LCD>

MODE PIN NO.	REC	PLAY
Q7001	-	-
Q7002	-	-
Q7003		
1(E)	0.8	0.8
2(B)	1.4	1.4
3(C)	4.8	4.8
4(E)	2.4	2.5
5(B)	3.0	3.0
6(C)	3.0	3.0

<BWVF>

MODE PIN NO.	REC	PLAY
Q7301		
E	0.8	0.9
C	0	0
B	0.2	0.2
Q7302		
E	4.8	4.8
C	0	0
B	4.8	4.8
Q7303		
E	0	0
C	4.8	4.8
B	0	0

<CCD>

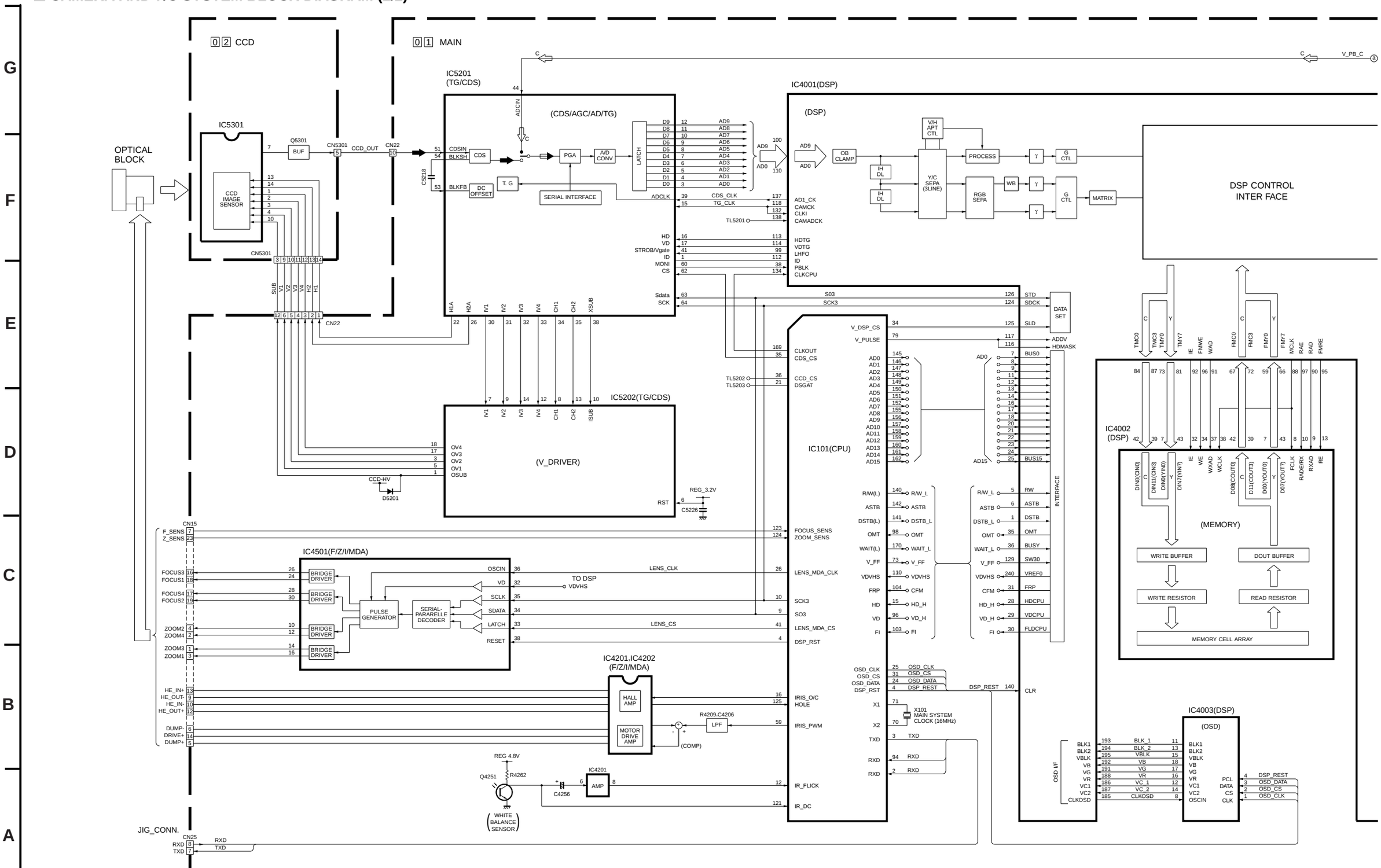
MODE PIN NO.	EE
IC5301	
1	-7.0
2	-7.0
3	-0.2
4	-0.1
5	0
6	0
7	10.8
8	14.8
9	0
10	9.9
11	-7.5
12	12.3
13	1.6
14	1.4
Q5301	
E	10.1
C	14.8
B	10.9

<MONITOR>

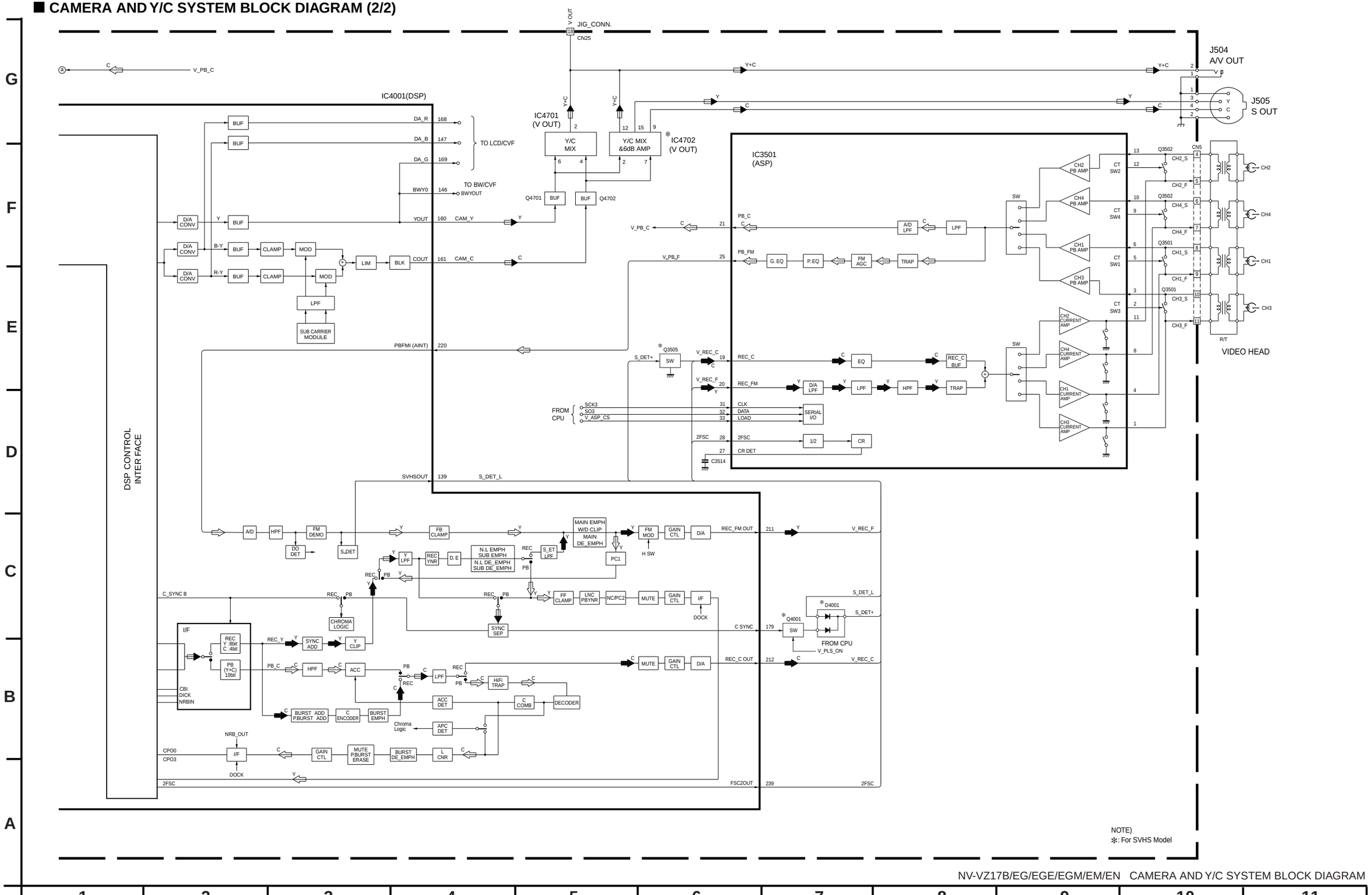
MODE PIN NO.	EE
IC7601	
1	1.0
2	2.9
3	0
4	0
5	3.1
6	2.9
7	3.1
8	0
9	3.1
10	0
11	0
12	0
13	3.2
14	1.6
15	0
16	0.5
17	1.1
18	1.1
19	1.1
20	0
21	0.4
22	1.6
23	0
24	0

MODE PIN NO.	EE
25	1.4
26	0
27	1.4
28	0
29	1.4
30	0
31	0
32	3.2
33	2.0
34	0
35	3.2
36	1.6
37	1.5
38	0
39	3.2
40	0
41	3.2
42	0
43	3.2
44	0
45	3.2
46	3.2
47	3.2
48	0
IC7602	
1	7.5
2	7.5
3	7.5
4	0
5	2.1
6	2.1
7	8.4
8	14.9
IC7603	
1	0
2	0.4
3	0
4	2.8
5	3.2
IC7604	
1	-
2	-
3	-
Q7501	
E	0
C	4.4
B	0.4
Q7502	
E	0
C	4.4
B	0.4
Q7503	
E	4.5
C	4.5
B	0
Q7504	
E	0
C	0.1
B	3.2
Q7601	
E	-10..2
C	0
B	-9.7
Q7602	
E	-9.2
C	-14.5
B	-9.7
Q7603	
E	-9.8
C	-1.8
B	-9.2
Q7604	
E	-9.8
C	-14.1
B	-10.2
Q7605	
E	3.2
C	0
B	3.2
Q7606	
E	3.2
C	0
B	3.2
Q7607	
E	3.1
C	0
B	3.2
Q7608	
E	0
C	3.1
B	0

■ CAMERA AND Y/C SYSTEM BLOCK DIAGRAM (1/2)

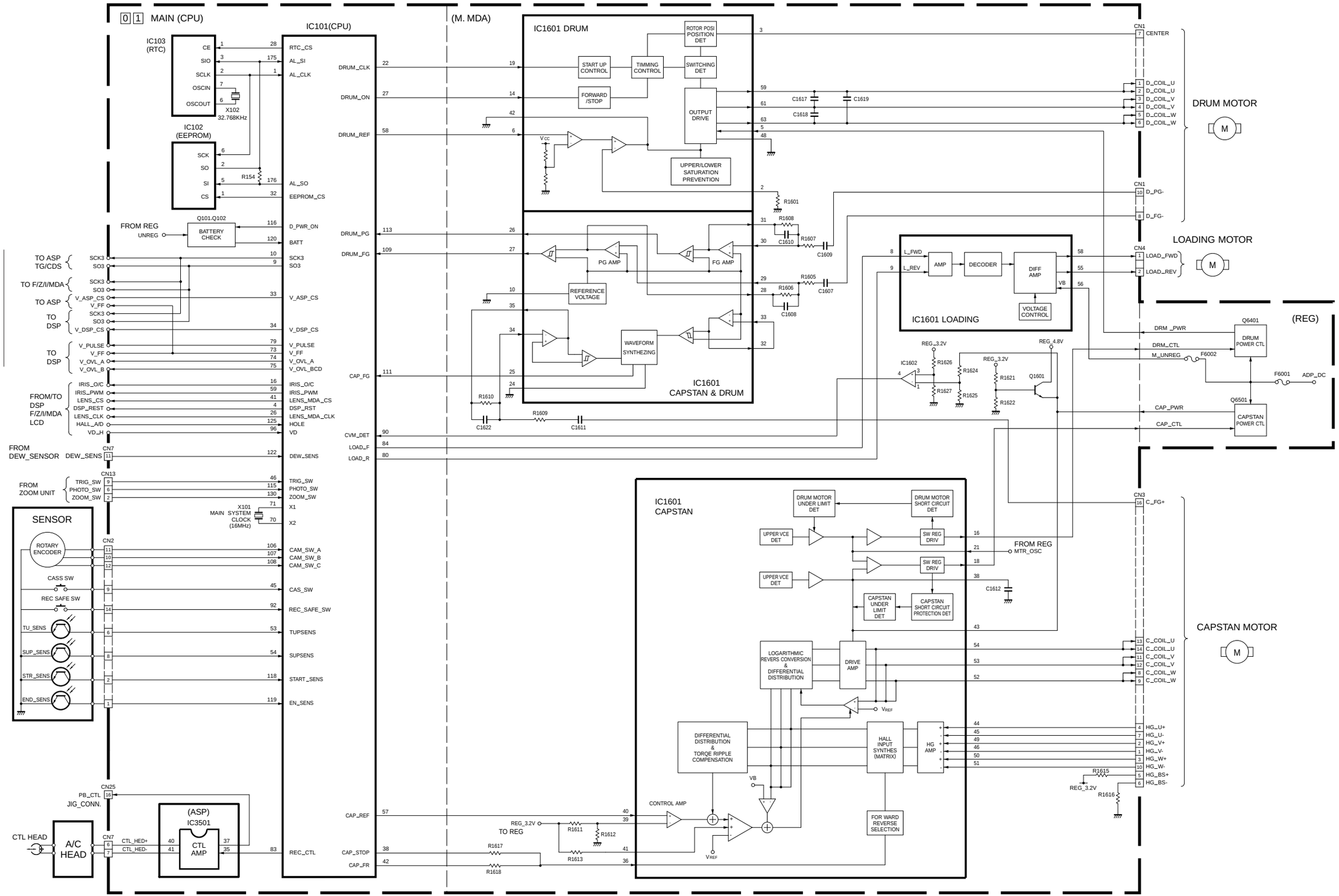


■ CAMERA AND Y/C SYSTEM BLOCK DIAGRAM (2/2)

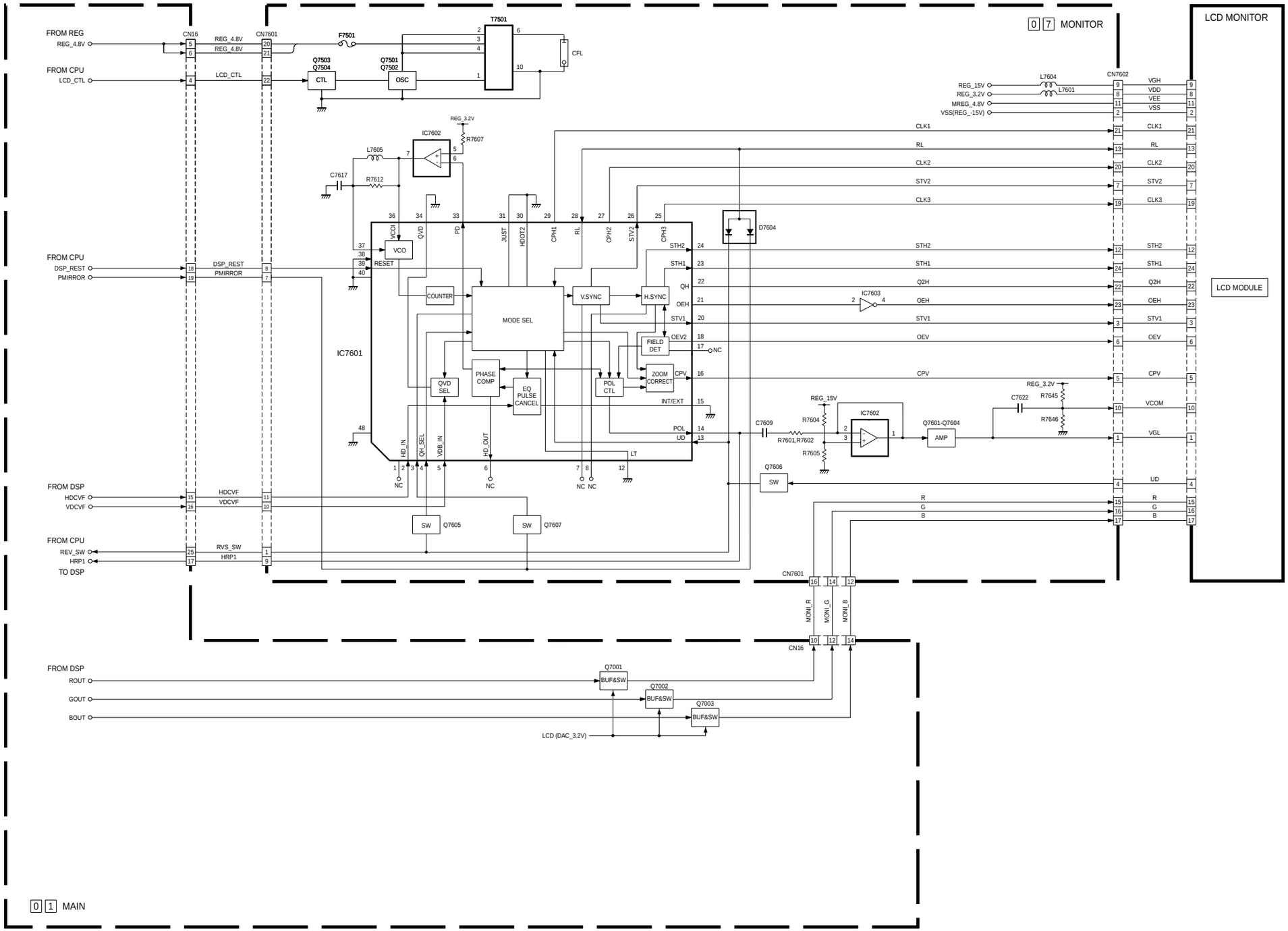


NOTE)
✻: For SVHS Model

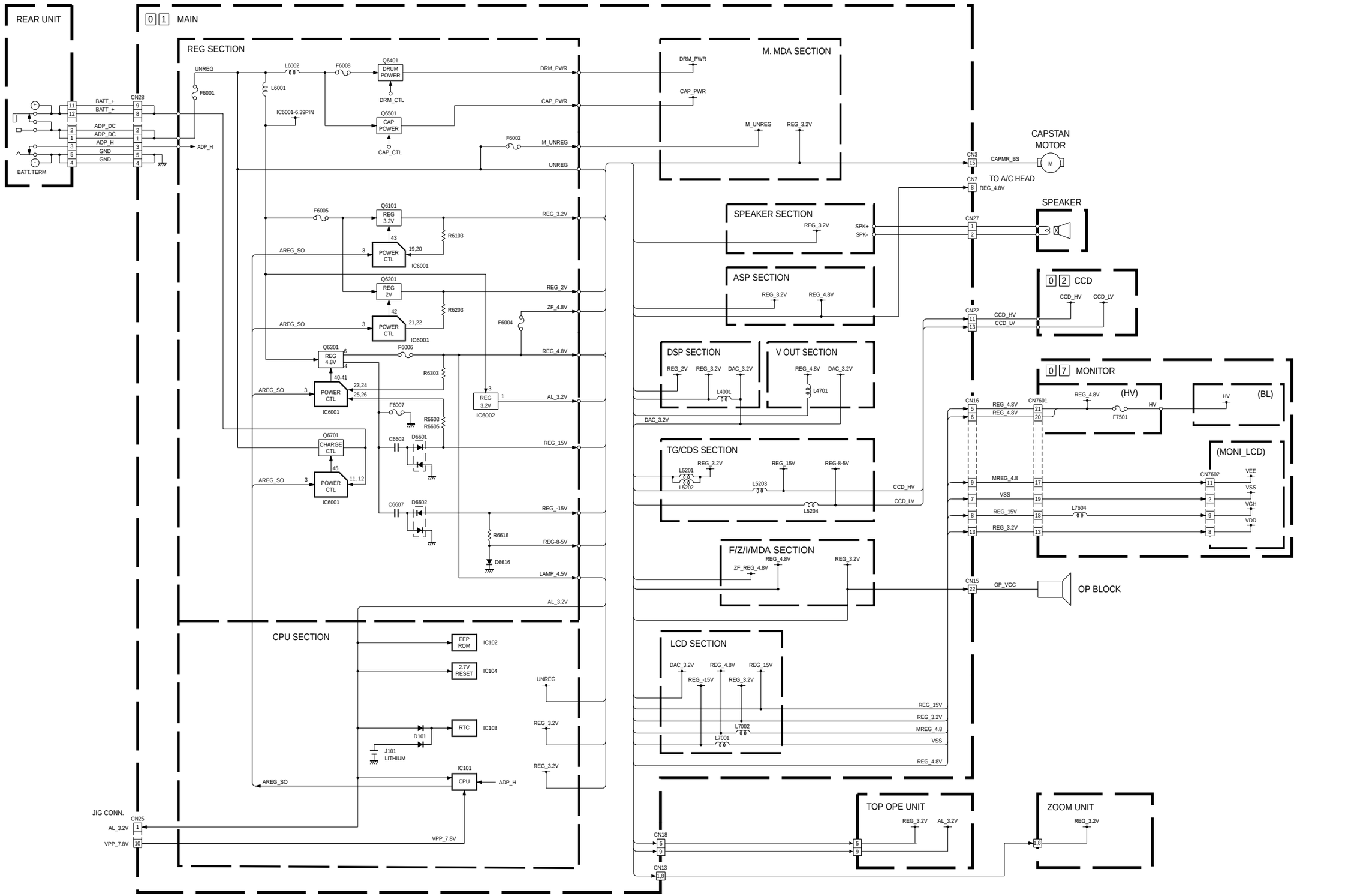
■ CPU/M.MDA SYSTEM BLOCK DIAGRAM



■ MONITOR SYSTEM BLOCK DIAGRAM



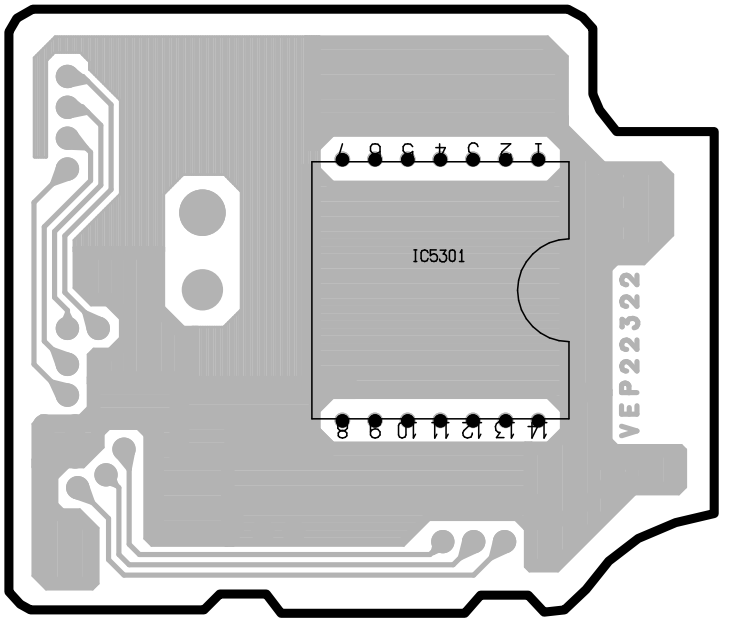
■ POWER SYSTEM BLOCK DIAGRAM



NV-VZ17B/EG/EGE/EGM/EM/EN POWER SYSTEM BLOCK DIAGRAM

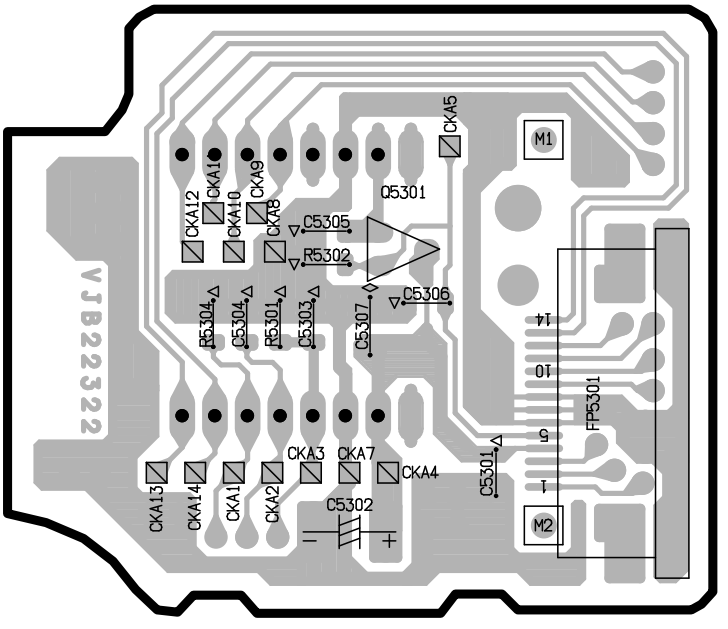
02 CCD

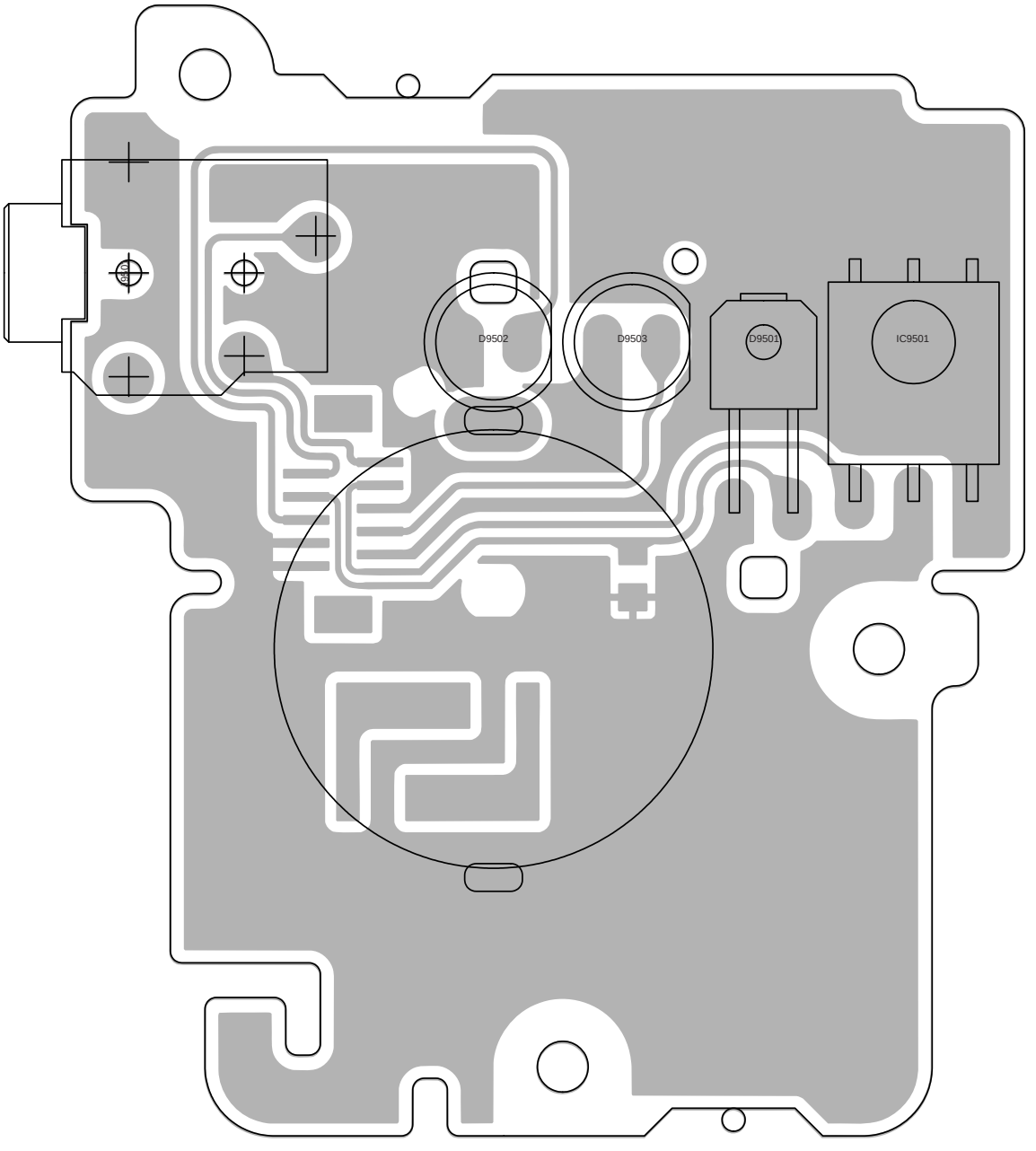
FOIL SIDE(B)



COMPONENT SIDE(A)

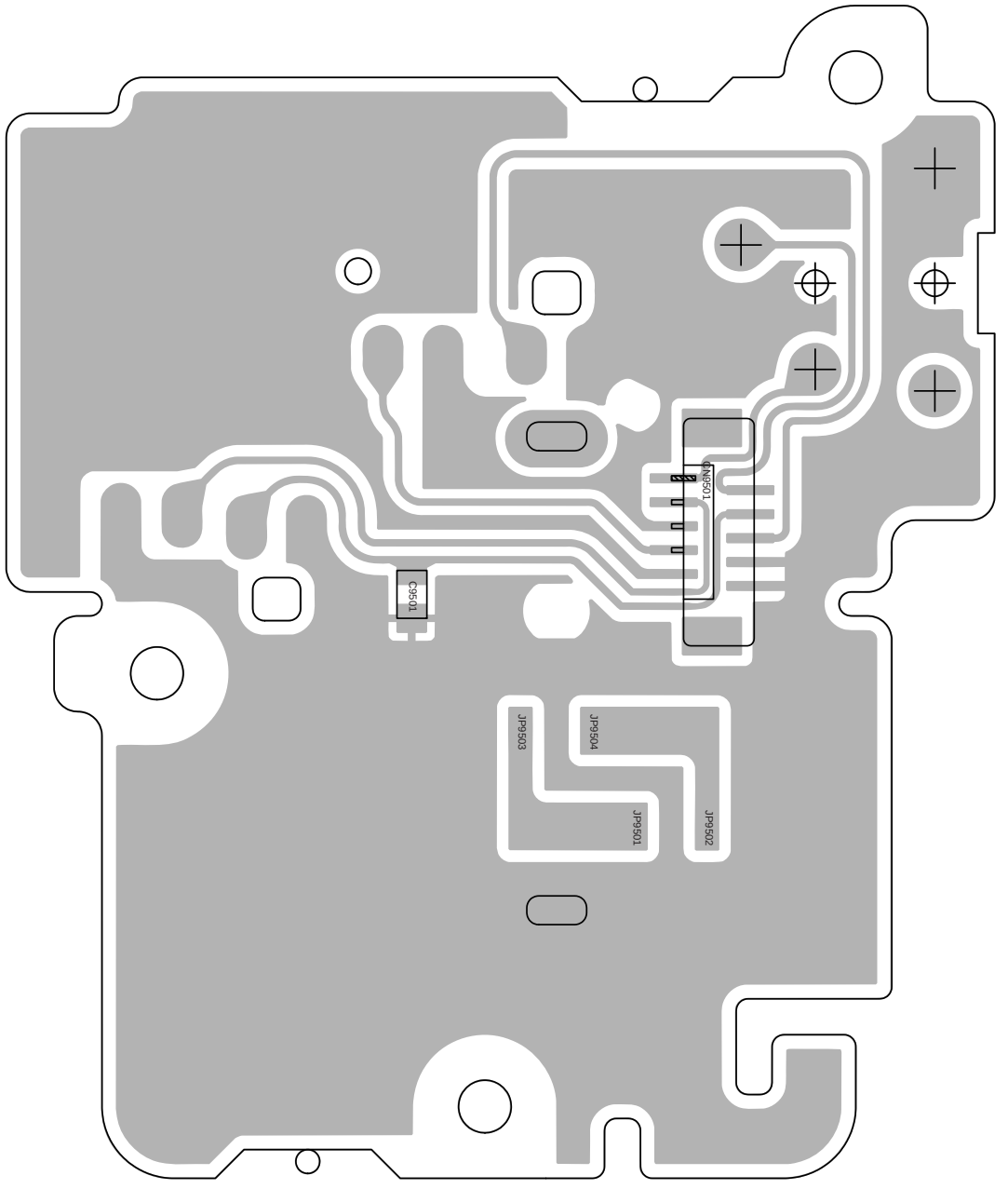
02 CCD



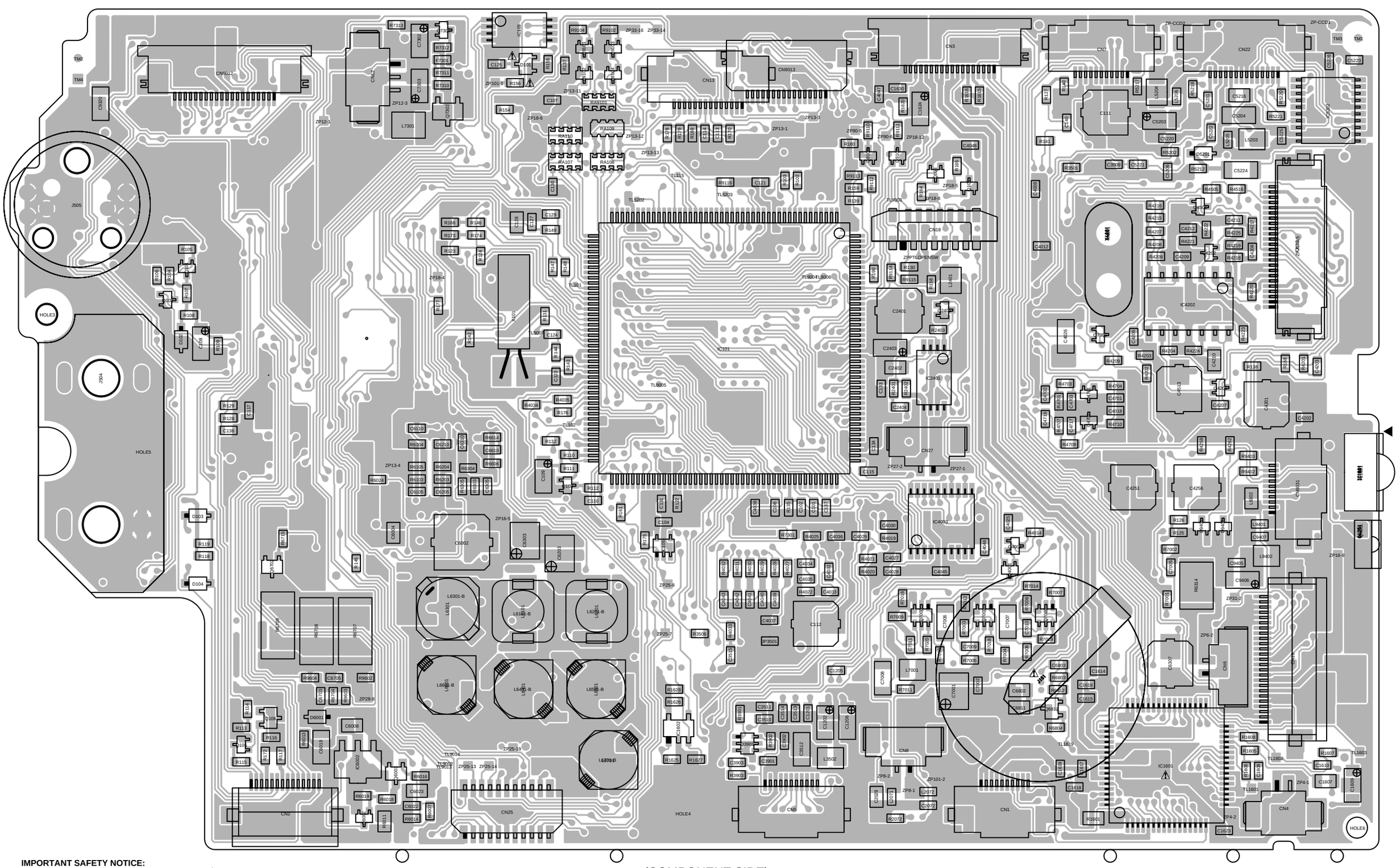


(COMPONENT SIDE)

NV-VZ17B/EG/EGE/EGM/EM/EN FRONT C.B.A.



(FOIL SIDE)


TM2
TM4
CN9012
CN12
ZP12-1
ZP12-3
L7301
HOLE3
HOLE5
J505
J504
D103
D104
R119
R118
CN13
CN9013
CN3
RA9101
RA9102
RA9103
RA9104
RA110
RA109
RA107
RA108
TL115
TL5202
TL5203
TL9003
TL9005
TL9006
IC101
CN18
ZPPTLOPENSW
L3401
C2401
C2403
C2402
IC2401
C2404
CN27
ZP27-1
ZP27-2
ZP-CCD2
ZP-CCD1
CN7
CN22
TM3
TM1
C5223
C5222
C5216
C5204
C5203
C5220
C5202
D5201
C5224
C5221
C5208
C3509
R3501
R5202
R5212
R5221
R5220
R5231
R5230
R5229
R5228
R5227
L5204
L5203
C5205
C5206
C5231
C5230
C5229
C5228
R4505
R4516
R4216
R4215
R4207
R4206
R4208
R4223
R4219
R4218
C4213
C4212
C4209
C4211
R4225
R4217
R4222
C4208
R4229
IC4202
C4026
C4025
C4208
R4208
R4203
R4204
R4224
C4210
R4228
R4138
R4136
R4203
C4203
C4613
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C4202
R4703
R4704
C4701
C4018
R4710
R4705
R4238
R4239
R3403
R3402
C3401
L4302
L9401
C9407
L9402
C9405
C9406
R7002
R7005
R6314
R7001
ZP31-2
ZP6-2
CN6
C5307
C6803
C1614
C1616
C1615
R6803
R6832
C6832
C6831
R6804
TL1619
C1618
C1619
C1617
IC1601
TL1601
TL1602
TL1603
R1608
R1606
C1608
C1610
C1607
C1609
ZP4-1
ZP4-2
CN4
C1623
HOLE6
R7014
R7007
R7008
R7009
R7010
R7006
C7006
C7007
C7010
R7003
C7009
C7011
C7002
C7001
R7013
L7001
C1205
C7008
C1202
C1206
C1201
C3512
L3502
R3502
R3901
C3511
C3510
C3514
C3513
C3515
R3903
C3903
C3901
R3902
C3902
CN8
ZP8-2
ZP8-1
ZP101-2
L2072
C2072
R2072
CN5
CN1
C1630
C1624
C4047
R1630
R1618
R1619
C4048
R1635
C1634
R1633
R1634
C4049
ZP18-5
ZP18-8
C4012
C4045
C4046
C4030
C4019
R4019
C4027
C4028
R4020
R4021
R4022
C4033
C4037
C112
IP3501
R4023
R4025
R4036
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C4036
C4035
C4034
R4027
R4028
R4029
R4030
R4031
R4032
C4043
C4042
C4041
C4040
C4039
C4038
R4026
R4024
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R4034
R4035
R4038
C4251
C4256
R4402
R4403
R4401
R4404
R4405
R4406
R4407
R4408
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R4430
R4431
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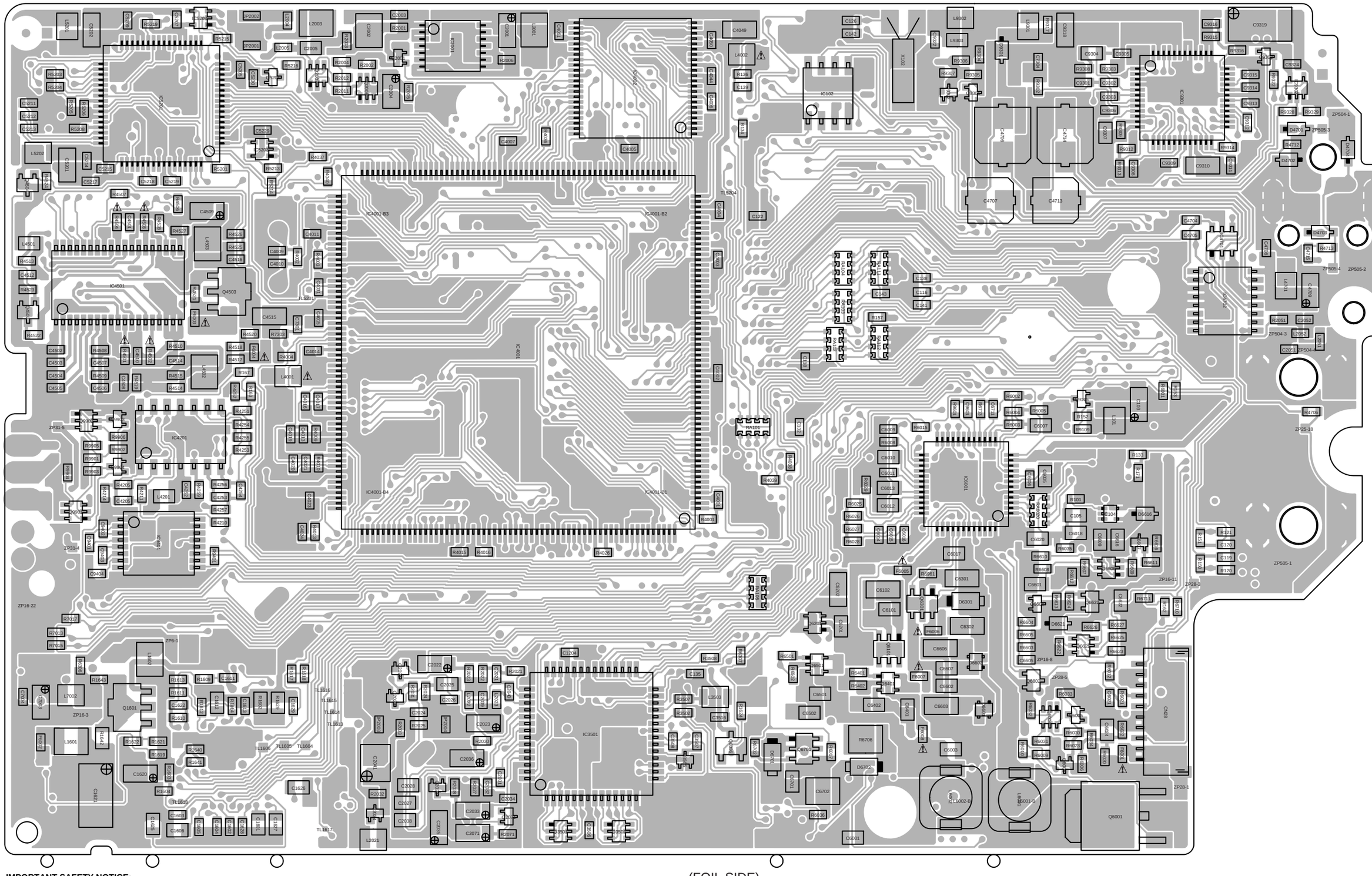
R4442
R4443



IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

(FOIL SIDE)

CAPACITOR		
C101	A	3B
C102	A	3B
C103	B	6C
C104	A	4B
C105	B	6B
C106	A	3B
C107	A	4D
C108	A	6C
C109	A	4B
C110	A	4B
C111	A	2D
C112	A	3B
C113	A	4D
C114	A	4D
C115	A	3B
C116	B	5C
C117	A	6C
C118	B	4C
C119	B	6B
C120	B	6B
C121	A	3D
C122	B	4D
C123	A	4C
C124	A	4C
C125	A	5D
C126	B	4D
C127	A	5D
C128	A	5D
C129	A	4D
C130	A	4D
C131	A	4B
C132	B	4C
C133	A	3C
C134	A	3B
C135	B	4A
C136	A	6C
C137	A	3B
C138	B	5C
C139	B	4D
C140	A	2D
C141	B	5C
C142	B	4D
C143	B	5C
C1201	A	3A
C1202	A	3A
C1204	B	3A
C1205	A	3A
C1206	A	3A
C1601	B	2A
C1602	B	2A
C1603	B	1A
C1604	B	2A
C1605	B	1A
C1606	B	1A
C1607	A	1A
C1608	A	1A
C1609	A	1A
C1610	A	1A
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C1613	B	2A
C1614	A	2A
C1615	A	2A
C1616	A	2A
C1617	A	2A
C1618	A	2A
C1619	A	2A
C1620	B	1A
C1621	B	1A
C1622	B	1A
C1623	A	1A
C1624	A	3D
C1625	B	1A
C1626	B	2A
C1627	B	2A
C1628	B	2A
C1629	B	2A
C1630	A	3D
C2001	B	3D
C2002	B	2D
C2003	B	2D
C2004	B	2D
C2005	B	2D
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C2022	B	3A
C2023	B	3A
C2024	B	2A
C2025	B	3A
C2026	B	3A
C2027	B	2A
C2028	B	2A

C2029	A	3A
C2031	B	3A
C2032	B	3A
C2033	B	3A
C2034	B	3A
C2035	B	3A
C2036	B	3A
C2038	B	2A
C2039	B	3A
C2040	B	3A
C2041	B	2A
C2051	B	7C
C2052	B	7C
C2071	B	3A
C2072	A	3A
C2401	A	3C
C2402	A	3C
C2403	A	3C
C2404	A	3C
C3506	B	3A
C3507	B	4A
C3508	B	4A
C3509	A	2D
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C3511	A	3A
C3512	A	3A
C3513	A	3A
C3514	A	3A
C3515	A	4A
C3516	B	4A
C3901	A	3A
C3902	A	3A
C3903	A	4A
C4001	B	4B
C4002	B	4C
C4003	B	4C
C4004	B	4D
C4005	B	3D
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C4014	B	2C
C4015	B	2C
C4016	B	2C
C4017	B	2C
C4018	A	2C
C4019	B	2B
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C4023	B	2B
C4024	B	2B
C4025	A	2B
C4026	A	2C
C4027	A	3B
C4028	A	3B
C4029	A	3B
C4030	A	3B
C4031	B	2C
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C4033	A	3B
C4034	A	3B
C4035	A	3B
C4036	A	3B
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C4039	A	3B
C4040	A	3B
C4041	A	4B
C4042	A	4B
C4043	A	4B
C4044	B	4D
C4045	A	3B
C4046	A	2B
C4047	A	3D
C4048	A	2D
C4049	B	4D
C4050	B	4D
C4051	B	3D
C4201	A	1C
C4202	A	1C
C4203	A	1C
C4205	B	1B
C4206	A	2C
C4207	A	1C
C4208	A	1C
C4209	A	1C
C4210	A	1C

C4211	A	1D
C4212	A	1C
C4251	A	2B
C4252	B	1B
C4253	B	2B
C4254	B	2B
C4256	A	1B
C4501	B	1C
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C4504	B	1C
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C4506	B	1C
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C4508	B	1C
C4509	B	1D
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C4512	B	1C
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C4514	B	1C
C4515	B	2C
C4516	B	2C
C4701	A	2C
C4702	A	2C
C4703	A	2C
C4704	B	6C
C4705	B	6C
C4706	B	5D
C4707	B	5D
C4708	B	6C
C4709	B	7C
C4713	B	5D
C4714	B	6D
C4715	B	7C
C4716	A	2C
C4717	A	2C
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C5226	A	1D
C5229	B	2D
C5230	B	2D
C5231	A	1D
C6001	B	5A
C6002	A	5B
C6003	B	5A
C6004	A	5B
C6005	B	5B
C6006	B	5B
C6007	B	5C
C6008	A	5A
C6009	B	5C
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C6023	A	5A
C6024	B	6A
C6101	B	5B
C6102	B	5B
C6105	A	5B
C6110	A	5C
C6201	B	4B

C6202	B	4B
C6203	A	4B
C6205	A	5B
C6210	A	5B
C6301	B	5B
C6302	B	5B
C6303	A	5B
C6305	A	5B
C6307	A	1A
C6310	A	5B
C6401	B	5A
C6402	B	5A
C6501	B	4A
C6502	B	4A
C6601	B	5B
C6602	B	5A
C6603	B	5A
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C6616	B	6B
C6622	B	6B
C6701	B	4A
C6702	B	4A
C6703	A	6A
C6705	A	5A
C6711	B	5C
C6802	A	2A
C6803	A	2A
C6811	A	2A
C7001	A	3A
C7002	A	2A
C7003	B	1A
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C7008	A	3A
C7009	A	2A
C7010	A	2B
C7011	A	3A
C7301	B	2C
C7302	A	5D
C7303	A	5D
C7304	B	5D
C9301	B	6D
C9302	B	6D
C9303	B	6D
C9304	B	6D
C9305	B	6D
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C9315	B	6D
C9316	B	6D
C9318	B	6D
C9319	B	6D
C9320	A	7D
C9322	B	5D
C9324	B	7D
C9401	B	1B
C9402	B	1B
C9403	B	1B
C9404	B	1B
C9405	A	1B
C9406	A	1B
C9407	A	1B
C9601	B	5C

CONNECTOR		
CN1	A	2A
CN2	A	6A
CN3	A	3D
CN4	A	1A
CN5	A	3A
CN6	A	1A
CN7	A	2D
CN8	A	3A
CN12	A	5D
CN13	A	4D
CN15	A	1C
CN16	A	1A
CN18	A	3C
CN22	A	1D
CN25	A	5A

CN27	A	3B
CN28	B	6A
CN9012	A	6D
CN9013	A	3D
CN9031	A	1B

DIODE		
D101	A	5D
D102	A	6C
D103	A	6B
D104	A	6B
D4001	A	2B
D4701	B	7D
D4702	B	7D
D4703	B	7C
D4704	B	7D
D5201	A	1D
D6001	A	6A
D6301	B	5B
D6601	B	5A
D6602	B	5A
D6616	B	6B
D6621	B	5B
D6701	B	4A
D6702	B	5A
D9301	B	5D
D9401	A	1B
D9402	A	1B

FUSE		
F6001	B	6A
F6002	B	1A
F6003	B	1C
F6004	B	2C
F6005	B	5B
F6006	B	5B
F6007	B	5A
F6008	B	5A
F7301	A	5D

INTERGRATED CIRCUIT		
IC101	A	4C
IC102	B	4D
IC103	A	5D
IC104	B	6B
IC105	A	4B
IC1601	A	2A
IC1602	A	4A
IC1801	A	1B
IC2001	B	3D
IC2401	A	3C
IC3501	B	3A
IC4001	B	3C
IC4002	B	3D
IC4003	A	3B
IC4201	B	1B
IC4202	A	1C
IC4501	B	1C
IC4701	B	6C
IC4702	B	6C
IC5201	B	1D
IC5202	A	1D
IC5203	B	2D
IC5204	B	1D
IC6001	B	5B
IC6002	A	5A
IC9301	B	6D
IC9302	B	7D
IC9401	B	1B

COIL		
L101	B	6C
L1601	B	1A
L1602	B	1A
L2001	B	3D
L2003	B	2D
L2004	B	2D
L2005	B	2D
L2021	B	2A
L2022	B	3A
L2023	B	3A
L2051	B	7C
L2052	B	7C
L2071	A	3A
L2072	A	3A
L2401	A	3C
L3502	A	3A
L3503	B	4A
L4001	B	2C
L4002	B	4D
L4201	B	1B
L4501	B	1C
L4502	B	1C
L4503	B	1C
L4701	B	7C
L5201	B	1D

L5202	B	1D
L5203	A	1D
L5204	A	2D
L5205	A	1D
L5206	A	1D
L6001	B	5A
L6002	B	5A
L6101	A	5B
L6201	A	4B
L6301	A	5B
L6302	A	1B
L6401	A	5A
L6501	A	4A
L6601	A	5A
L6701	A	4A
L7001	A	3A
L7002	B	1A
L7301	A	5D
L9301	B	5D
L9302	B	5D
L9303	B	5D
L9401	A	1B
L9402	A	1B

TRANSISTOR		
Q101	A	6C
Q102	A	6C
Q103	A	4B
Q105	A	6A
Q106	A	6A
Q108	A	3D
Q109	A	2D
Q1601	B	1A
Q2001	B	2D
Q2007	B	2D
Q2008	B	2D
Q2021	B	2A
Q2022	B	2A
Q2023	B	3A
Q2024	B	2A
Q2071	B	3A
Q2401	A	3C
Q3501	B	3A
Q3502	B	3A
Q3505	B	4A
Q3901	A	4A
Q4001	A	2B
Q4201	A	1C
Q4202	A	1C
Q4251	A	1B
Q4501	A	1D
Q4504	B	1D
Q4701	A	2C
Q4702	A	2C
Q5201	B	2D
Q6001	B	6A
Q6002	A	5A
Q6003	A	5A
Q6004	B	5A
Q6005	B	6A
Q6006	B	6A
Q6101	B	5A
Q6201	B	4B
Q6301	B	5B
Q6306	B	4A
Q6401	B	5A
Q6501	B	4A
Q6606	B	6B
Q6607	B	6B
Q6608	B	5B
Q6621	B	6A
Q6622	B	6B
Q6701	B	4A
Q6702	A	6B
Q6802	B	5A
Q6811	A	2A
Q7001	A	2B
Q7002	A	2B
Q7003	A	3B
Q7301	A	2C
Q7302	A	5D
Q7303	A	5D
Q9101	A	4D
Q9102	A	4D
Q9103	A	4D
Q9104	A	4D
Q9105	B	6C
Q9106	A	3D
Q9107	A	3D
Q9301	B	5D
Q9302	B	5D

RESISTOR		
R101	B	6B
R102	A	3D
R103	A	3D
R104	A	6C
R105	A	6C
R106	A	6C
R107	A	6C
R108	A	6C
R109	A	6C
R110	A	4B
R111	A	4B
R112	A	4B
R113	A	6A
R114	A	6A
R115	A	6A
R116	A	6A
R117	A	6A
R118	A	6B
R119	A	6B
R120	B	6B
R121	B	6B
R122	A	4B
R123	A	5C
R124	A	5C
R125	A	1B
R126	A	1B
R127	A	2D
R128	A	6C
R129	A	6C
R130	A	3C
R131	A	4C
R132	A	4B
R133	B	6B
R134	B	4D
R135	A	3B
R136	B	4D
R137	A	4D
R138	A	1C
R139	A	3D
R140	A	2D
R141	A	2D
R142	A	5C
R143	A	4C
R144	A	4C
R147	A	4C
R148	A	4C
R149	A	4C
R150	B	6B
R151	B	6B
R152	B	6C
R153	B	6C
R154	A	5D
R156	A	5D
R157	B	5C
R158	A	3C
R159	A	3D
R161	A	4B
R162	B	6B
R163	B	2C
R164	A	3D
R165	A	3D
R166	A	5D
R167	B	2C
R168	A	1C
R169	A	4D
R170	A	4D
R171	B	6B
R172	A	6A
R173	A	5C
R174	A	5C
R175	A	4B
R176	A	4C
R177	A	5C
R178	A	4D
R179	A	4D
R180	A	3D
R190	A	3C
R1601	A	2A
R1602	B	2A
R1603	B	1A
R1604	B	1A
R1605	A	1A
R1606	A	1A

R1607	A	1A
R1608	A	1A
R1609	B	1A
R1610	B	1A
R1611	B	1A
R1612	B	1A
R1613	B	1A
R1614	B	2A
R1615	A	2D
R1616	A	2D
R1617	B	2A
R1618	B	2A
R1619	B	1A
R1620	A	3D
R1621	B	1A
R1622	B	1A
R1624	B	4A
R1625	A	4A
R1626	A	4A
R1627	A	4A
R1628	A	4A
R1629	B	2A
R1640	B	1A
R1641	B	1A
R1642	B	1A
R1643	B	1A
R2001	B	2D
R2002	B	2D
R2003	B	2D
R2004	B	2D
R2005	B	2D
R2006	B	3D
R2011	B	2D
R2012	B	2D
R2021	B	3A
R2022	B	3A
R2023	B	3A
R2024	B	2A
R2025	B	2A
R2027	B	3A
R2028	B	3A
R2030	B	3A
R2031	B	2A
R2032	B	2A
R2033	B	2A
R2051	B	7C
R2071	B	3A
R2072	A	3A
R2401	A	3C
R2402	A	3C
R2403	A	3C
R2412	A	3C
R3501	A	2D
R3502	B	4A
R3506	A	4B
R3507	B	4A
R3508	B	4A
R3901	A	4A
R3902	A	3A
R3903	A	4A
R4001	B	4B
R4002	B	2C
R4003	B	2C
R4004	B	2C
R4009	B	2B
R4010	B	2B
R4013	B	2B
R4014	A	2B
R4015	B	3B
R4016	B	3B
R4019	A	3B
R4020	A	3B
R4021	A	3B
R4022	A	3B
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R4026	B	3B
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R4029	A	3B
R4030	A	4B
R4031	A	4B
R4032	A	4B
R4033	A	4B
R4034	A	5C
R4035	A	4C
R4036	B	3D
R4037	B	2D
R4038	B	4B
R4039	B	4B
R4041	B	4B
R4042	B	4B
R4043	B	4B
R4044	B	4B
R4045	B	4B
R4046	B	4B
R4047	B	4B
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R4049	B	4B
R4050	B	4B
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R4052	B	4B
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R4058	B	4B
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R4066	B	4B
R4067	B	4B
R4068	B	4B
R4069	B	4B
R4070	B	4B
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R4072	B	4B
R4073	B	4B
R4074	B	4B
R4075	B	4B
R4076	B	4B
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R4088	B	4B
R4089	B	4B
R4090	B	4B
R4091	B	4B
R4092	B	4B
R4093	B	4B
R4094	B	4B
R4095	B	4B
R4096	B	4B
R4097	B	4B
R4098	B	4B
R4099	B	4B
R4100	B	4B

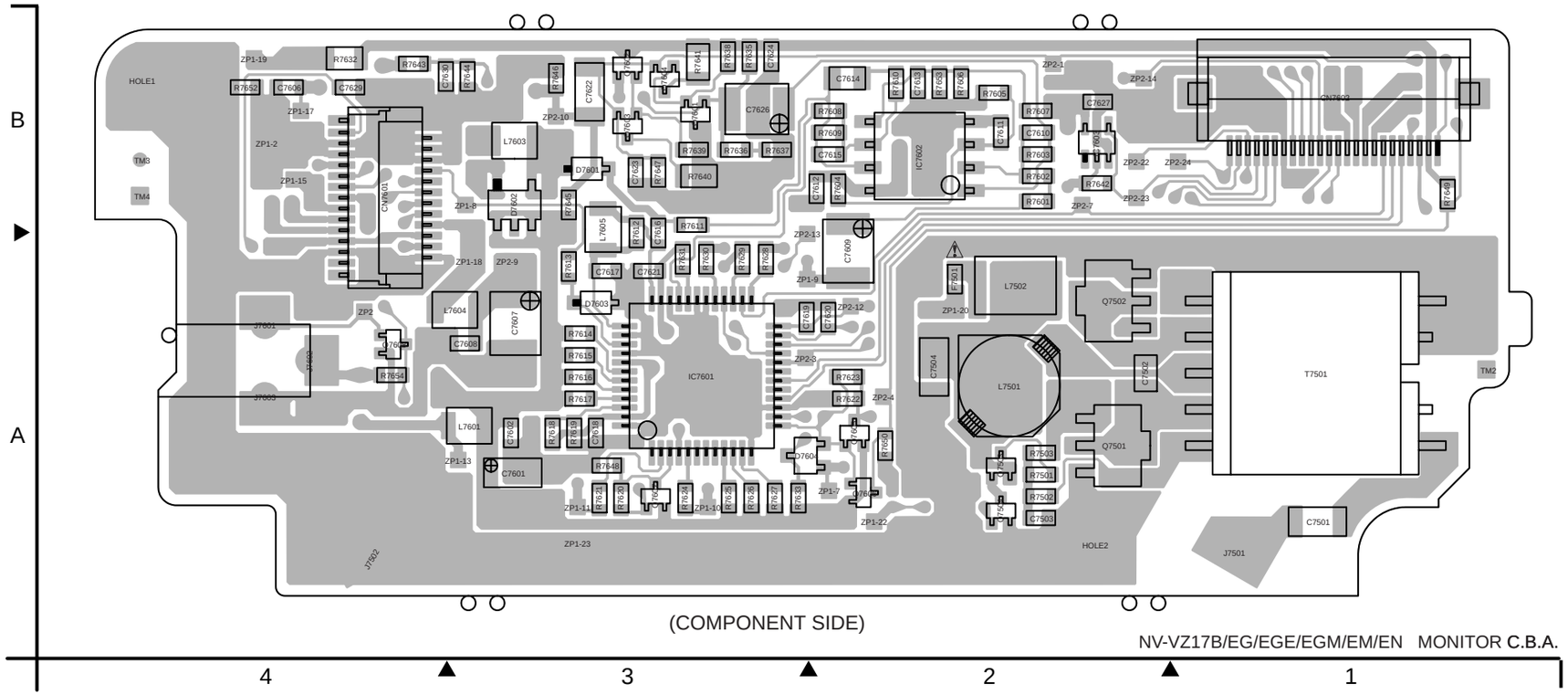
RESISTOR ARRAY		
RA101	B	4C
RA102	B	4C
RA103	B	4C
RA104	B	4C
RA105	B	4B
RA107	A	4D
RA108	A	4D
RA109	A	4D
RA110	A	4D
RA111	B	5C
RA112	B	5C
RA6020	B	5B
RA9101	A	4D

OTHER		
J101	A	2A
J504	A	7C
J505	A	7D
JP2001	B	2D
JP2002	B	2D
JP2003	B	2A
JP2004	B	3A
JP3501	A	3A
TL101	A	4C
TL102	A	4C
TL115	A	4D
TL1601	A	1A
TL1602	A	1A
TL1603	A	1A
TL1604	B	2A
TL1605	B	2A
TL1606	B	2A
TL1613	B	2A
TL1614	B	2A
TL1615	B	2A
TL1616	B	2A
TL1617	B	2A
TL1618	B	1A
TL1619	A	2A
TL5201	B	2C
TL5202	A	4D
TL5203	A	4D
TL5204	B	4D
TL9002	A	5A

R6012	B	6A
R6013	A	6A
R6014	A	5A
R6015	B	5C
R6016	A	5A
R6017	B	4A
R6018	A	5A
R6019	A	5A
R6020	B	6A
R6021	B	6A
R6022	B	6A
R6023	B	6A
R6024	A	5B
R6025	B	5B
R6026	B	5B
R6027	B	5B
R6028	B	5B
R6029	B	5B
R6030	B	6A
R6031	B	5A
R6032	B	5A
R6033	B	6A
R6034	B	6A
R6035	B	6B
R6036	B	4A
R6103	A	5B
R6104	A	5B
R6105	A	5B
R6203	A	5B
R6204	A	5B
R6303	A	5B
R6304	A	5B
R6305	A	5B
R6306	B	1A
R6307	B	4A
R6314	A	1B
R6401	B	5A
R6402	B	5A
R6501	B	4A
R6502	B	4A
R6603	B	5A
R6604	B	5B
R6605	B	5B
R6606	A	5B
R6607	B	6B
R6608	B	5B
R6609	B	6B
R6610	B	5B
R6611	B	6B
R6612	B	6B
R6613	B	5B
R6614	A	5B
R6616	B	6B
R6622	B	5A
R6623	B	6A
R6624	B	6B
R6625	B	6B
R6626	B	6B
R6627	B	6B
R6702	B	4A
R6704	A	6A
R6706	B	5A
R6707	A	5B
R6708	A	6B
R6709	A	6B
R6710	B	6B
R6711	B	6B
R6713	B	5C
R6715	A	6B
R6803	A	2A
R6804	A	2A
R6812	A	2A
R6961	B	5B
R7001	A	2B
R7002	A	1B
R7003	A	2B
R7004	A	2A
R7005	A	2A
R7006	A	2B
R7007	A	2B
R7008	A	2A
R7009	A	3B
R7010	A	3A
R7011	A	3A
R7012	A	2B
R7013	B	1B
R7014	A	2B
R7015	B	1A
R7016	A	3B
R7017	B	1B
R7018	A	2A

R7019	A	2B
R7020	A	3A
R7301	A	3B
R7303	B	2C
R7310	A	5D
R7311	A	5D
R7312	A	5D
R7313	A	5D
R9102	A	4D
R9104	A	4D
R9109	B	6C
R9110	A	3D
R9111	A	3D
R9112	A	3D
R9113	A	3D
R9114	A	3C
R9115	A	3C
R9116	A	4D
R9302	B	5D
R9303	B	6D
R9304	B	5D
R9305	B	5D
R9306	B	5D
R9307	B	5D
R9308	B	6D
R9309	B	6D
R9312	B	6D
R9313	B	6D
R9314	B	6D
R9315	B	6D
R9316	B	6D
R9317	B	5D
R9322	B	6D
R9328	B	7D
R9329	B	7D
R9401	B	1B
R9402	A	1B
R9403	A	1B
R9601	B	5C
R9602	A	5A
R9603	A	5A
R9604	A	6A
R9901	B	1B
R9902	B	1B
R9903	B	1B
R9904	B	1B
R9905	B	1B
R9906	B	1B

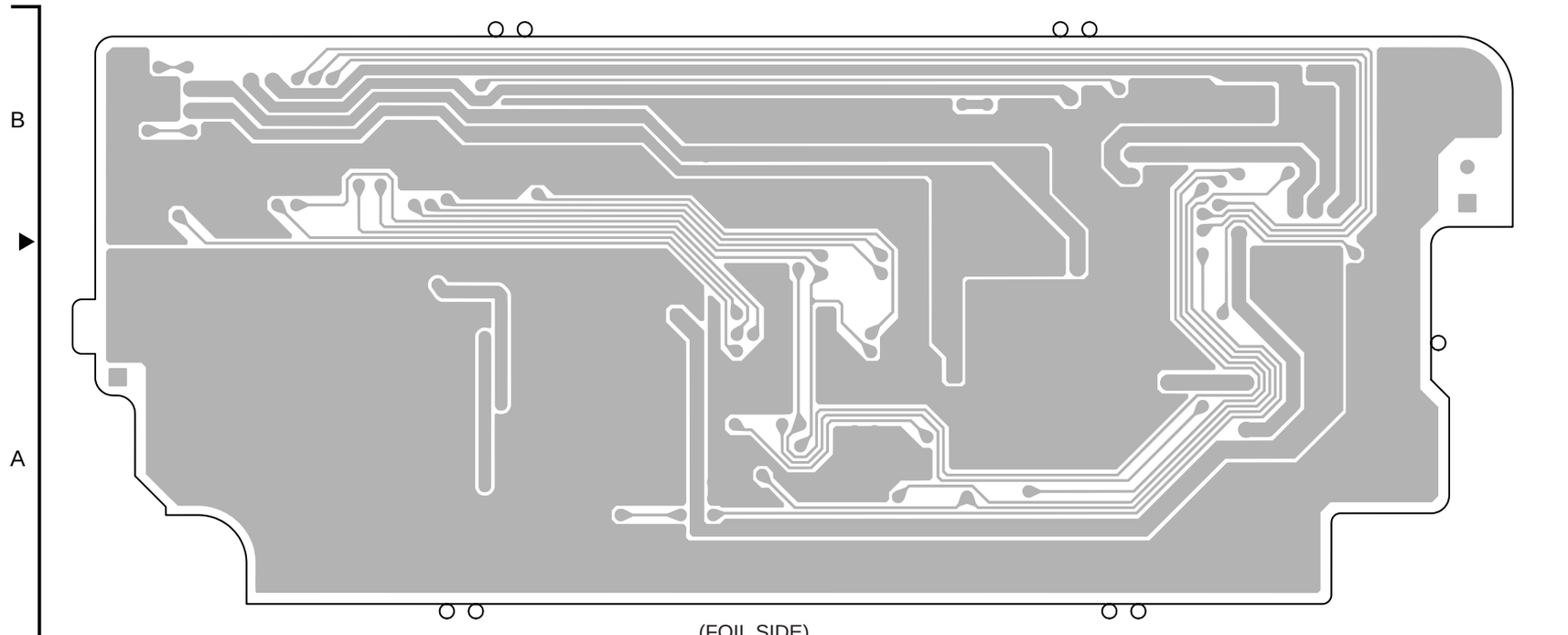
TL9003	A	3D
TL9004	A	3C
TL9005	A	4C
TL9006	A	3C
TL9007	A	5C
TL9013	A	5A
TL9014	A	5A
TM1	A	1D
TM2	A	7D
TM3	A	1D
TM4	A	7D
X101	A	5C
X102	B	5D
X4001	A	2C
ZP4-1	A	1A
ZP4-2	A	1A
ZP6-1	B	1B
ZP6-2	A	1B
ZP8-1	A	3A
ZP8-2	A	3A
ZP12-1	A	6D
ZP12-3	A	5D
ZP13-1	A	3D
ZP13-3	A	3D
ZP13-4	A	5B
ZP16-3	B	1A
ZP16-5	A	5B
ZP16-8	B	5A
ZP16-9	A	1B
ZP18-4	A	5C
ZP18-5	A	3D
ZP18-6	A	5D
ZP18-8	A	3D
ZP25-7	A	4B
ZP25-8	A	4B
ZP27-1	A	3B
ZP27-2	A	3B
ZP28-1	B	6A
ZP28-3	B	6B
ZP28-5	B	5A
ZP28-8	A	5A
ZP31-2	A	1B
ZP31-4	B	1B
ZP31-5	B	1C
ZP90-5	A	3D
ZP90-6	A	3D
ZP101-1	A	5D
ZP101-2	A	3A
ZP13-11	A	4D
ZP13-12	A	4D
ZP13-13	A	4D
ZP16-11	B	6B
ZP16-22	B	1B
ZP18-12	A	3D
ZP25-13	A	5A
ZP25-14	A	5A
ZP25-18	B	7C
ZP25-19	A	5A
ZP33-14	A	4D
ZP33-16	A	4D
ZP504-1	B	7D
ZP504-3	B	7C
ZP504-4	B	7C
ZP505-1	B	7B
ZP505-2	B	7C
ZP505-3	B	7D
ZP505-4	B	7C
ZP-CCD1	A	1D
ZP-CCD2	A	1D
ZPJCN15	A	1C
ZPPTLOP	A	3C



(COMPONENT SIDE)

NV-VZ17B/EG/EGE/EGM/EM/EN MONITOR C.B.A.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.



(FOIL SIDE)

NV-VZ17B/EG/EGE/EGM/EM/EN MONITOR C.B.A.

ADDRESS INFORMATION

CAPACITOR	
C7501	1A
C7502	2A
C7503	2A
C7504	2A
C7601	3A
C7602	3A
C7606	4B
C7607	3A
C7608	3A
C7609	2A
C7610	2B
C7611	2B
C7612	2B
C7613	2B
C7614	2B
C7615	2B
C7616	3A
C7617	3A
C7618	3A
C7619	3A
C7620	2A
C7621	3A
C7622	3B
C7623	3B
C7624	3B
C7626	3B
C7627	2B
C7629	4B
C7630	4B

CONNECTOR	
CN7601	4B
CN7602	1B

DIODE	
D7601	3B
D7602	3B
D7603	3A
D7604	3A

FUSE	
F7501	2A

INTERGRATED CIRCUIT	
IC7601	3A
IC7602	2B
IC7603	2B

COIL	
L7501	2A
L7502	2A
L7601	3A
L7603	3B
L7604	3A
L7605	3A

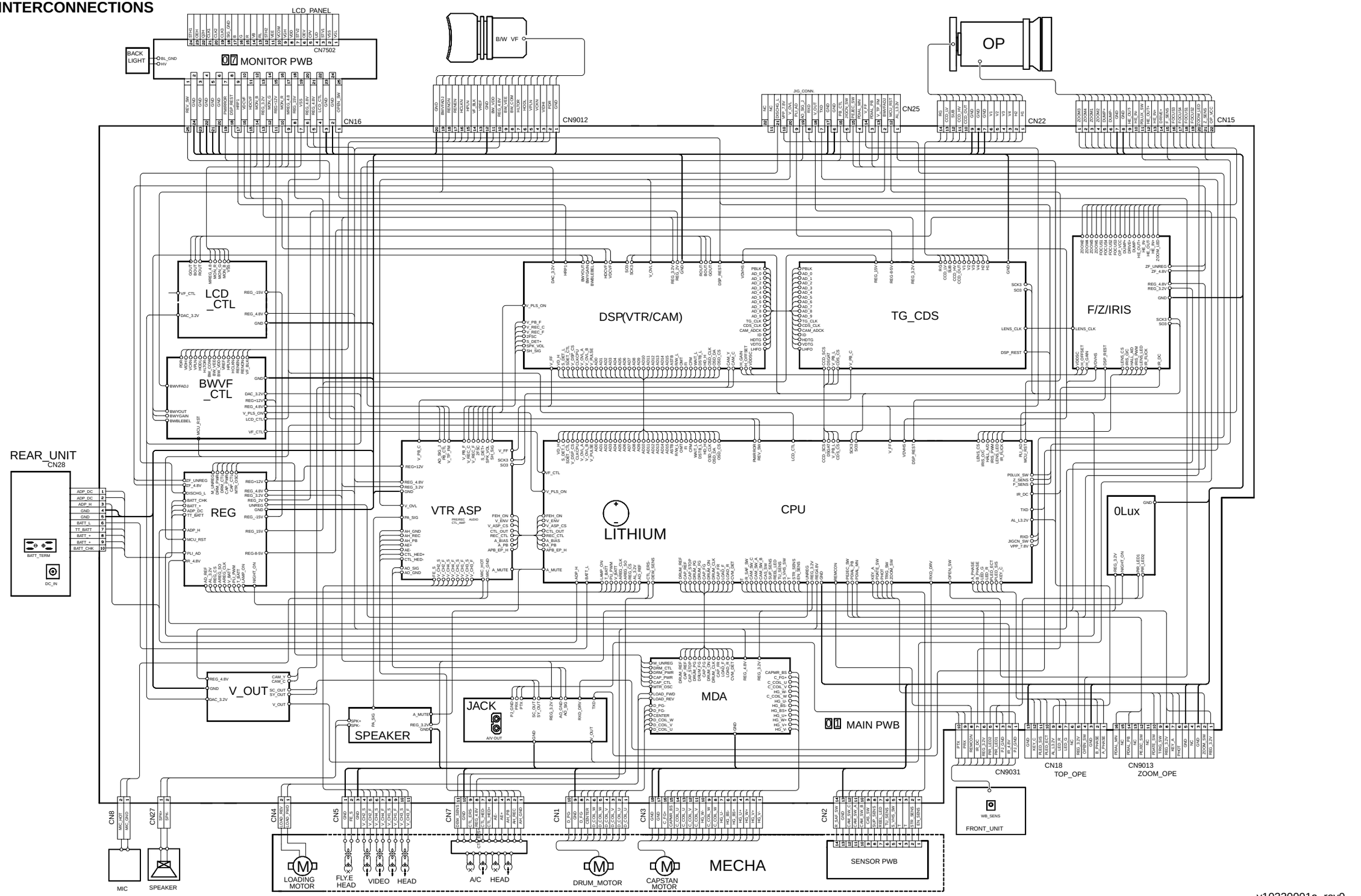
TRANSISTOR	
Q7501	2A
Q7502	2A
Q7503	2A
Q7504	2A
Q7601	3B
Q7602	3B
Q7603	3B
Q7604	3B
Q7605	2A
Q7606	2A
Q7607	3A
Q7608	4A

RESISTOR	
R7501	2A
R7502	2A
R7503	2A
R7601	2B
R7602	2B
R7603	2B
R7604	2B
R7605	2B
R7606	2B
R7607	2B
R7608	2B
R7609	2B
R7610	2B
R7611	3A
R7612	3A
R7613	3A
R7614	3A
R7615	3A
R7616	3A
R7617	3A
R7618	3A
R7619	3A
R7620	3A
R7621	3A
R7622	2A
R7623	2A
R7624	3A
R7625	3A
R7626	3A
R7627	3A
R7628	3A
R7629	3A
R7630	3A
R7631	3A
R7632	4B
R7633	3A
R7635	3B
R7636	3B
R7637	3B
R7638	3B
R7639	3B
R7640	3B
R7641	3B
R7642	2B
R7643	4B
R7644	3B
R7645	3B
R7646	3B
R7647	3B
R7648	3A
R7649	1B
R7650	2A
R7652	4B
R7653	2B
R7654	4A

TRANSFORMER	
T7501	1A

OTHER	
J7501	1A
J7502	4A
J7601	4A
J7602	4A
J7603	4A
TM2	1A
TM2	1A
TM3	4B
TM4	4B
ZP2	4A
ZP1-2	4B
ZP1-7	2A
ZP1-8	3B
ZP1-9	3A
ZP2-1	2B
ZP2-3	3A
ZP2-4	2A
ZP2-7	2B
ZP2-9	3A
ZP1-10	3A
ZP1-11	3A
ZP1-13	3A
ZP1-15	4B
ZP1-17	4B
ZP1-18	3A
ZP1-19	4B
ZP1-20	2A
ZP1-22	2A
ZP1-23	3A
ZP2-10	3B
ZP2-12	2A
ZP2-13	3A
ZP2-14	2B
ZP2-22	2B
ZP2-23	2B
ZP2-24	1B

■ BOARD INTERCONNECTIONS

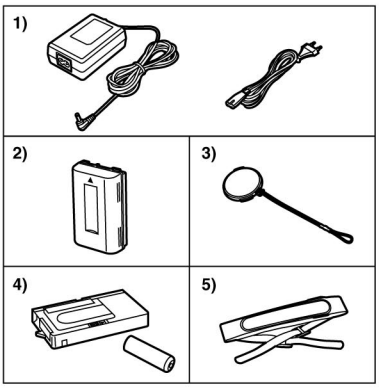


NOTES: 1. The parts with marked (※) is not used.

y10330001a_rev0

Standard Accessories

Illustrated are accessories supplied with the Movie Camera.



1) AC Adaptor and AC Mains Lead
2) Battery Pack
3) Lens Cap
4) Cassette Adaptor and Battery
5) Shoulder Strap

- Standard Accessories are subject to change without notice.

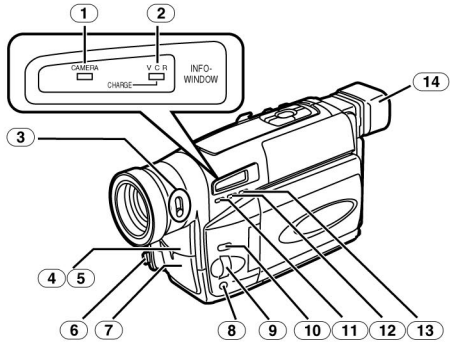
Optional Accessories

1) Battery Charger (VW-BCV1E)
2) Battery Pack (Lithium-Ion) (CGR-V14S)
3) Battery Pack (Lithium-Ion) (CGR-V26S)
4) Battery Pack (Lithium-Ion) (CGR-V53S)
5) ND Filter (VW-LND37E)
6) MC Protector (VW-LMC37E)
7) Tele Conversion Lens (VW-LT3714ME)
8) Wide Conversion Lens (VW-LW3707ME)
9) Tripod (VZ-CT55E)
10) Cassette Adaptor (VW-TCA7E)
11) IR/Video DC Light (Halogen & Infra-red) (VZ-LDR10E)
    - It requires the Shoe Adaptor for attaching to the Movie Camera.
12) Shoe Adaptor (for attaching the IR/Video DC Light) (VW-SK11E)

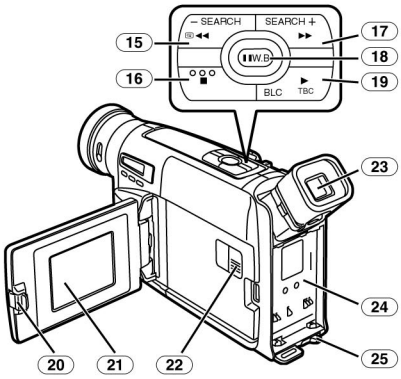
- Optional Accessories are subject to change without notice.
- Some optional accessories may not be available in some countries.

Controls and Components

Movie Camera



(1) Camera Mode Lamp [CAMERA]
(2) VCR Mode/Charging Lamp [VCR]/[CHARGE]
(3) 0-Lux Recording Switch [0 LUX OFF/ON]
(4) White Balance Sensor
(5) Built-in Infra-red Beam Emitters
(6) Lens Cap Holder
(7) Microphone
(8) Focus Button [FOCUS]
Item Set Button [SET]
Tracking Button
(9) Multi-Function Dial [▲▼] / [MF] / [TRACKING] / [EXPOSURE]
(10) Menu Button [MENU]
(11) Auto Exposure Selector Button [PROG. AE]
(12) Fade Button [FADE]
(13) Super Image Stabilizer Button [SIS]
(14) Eyecup



(15) Rewind/Review Button [◀◀]
Reverse Search Button [–SEARCH]
Recording Check Button [⟲]
(16) Stop Button [■]
(17) Fast Forward/Cue Button [▶▶]
Forward Search Button [SEARCH+]
(18) White Balance Button [W.B]
Pause Button [❚❚]
(19) Play Button [▶]
Backlight Button [BLC]
TBC Button [TBC]
(20) LCD Monitor Open Lever [▲OPEN]

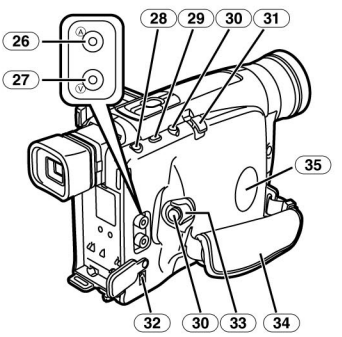
(21) **LCD Monitor**

Due to limitations in LCD production technology, there may be some tiny bright or dark spots on the LCD Monitor screen. However, this is not a malfunction and does not affect the recorded picture.

(22) **Cassette Compartment Lock Button [LOCK]**
(23) **Viewfinder**

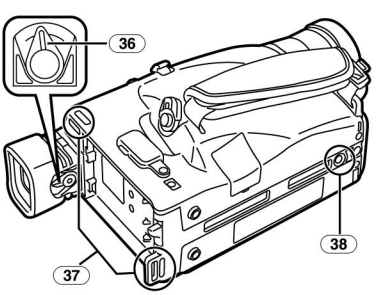
Due to limitations in LCD production technology, there may be some tiny bright or dark spots on the Viewfinder screen. However, this is not a malfunction and does not affect the recorded picture.

(24) **Battery Holder**
(25) **Battery Eject Lever [◀BATTERY EJECT]**



(26) **Audio Output Socket [Ⓐ]**
(27) **Video Output Socket [Ⓥ]**
(28) **Cassette Eject Button [⏏EJECT]**
(29) **Date/Time/Title Button [DATE/TITLE]**
(30) **Recording Start/Stop Button**
- Use either of these buttons depending on the recording angle.

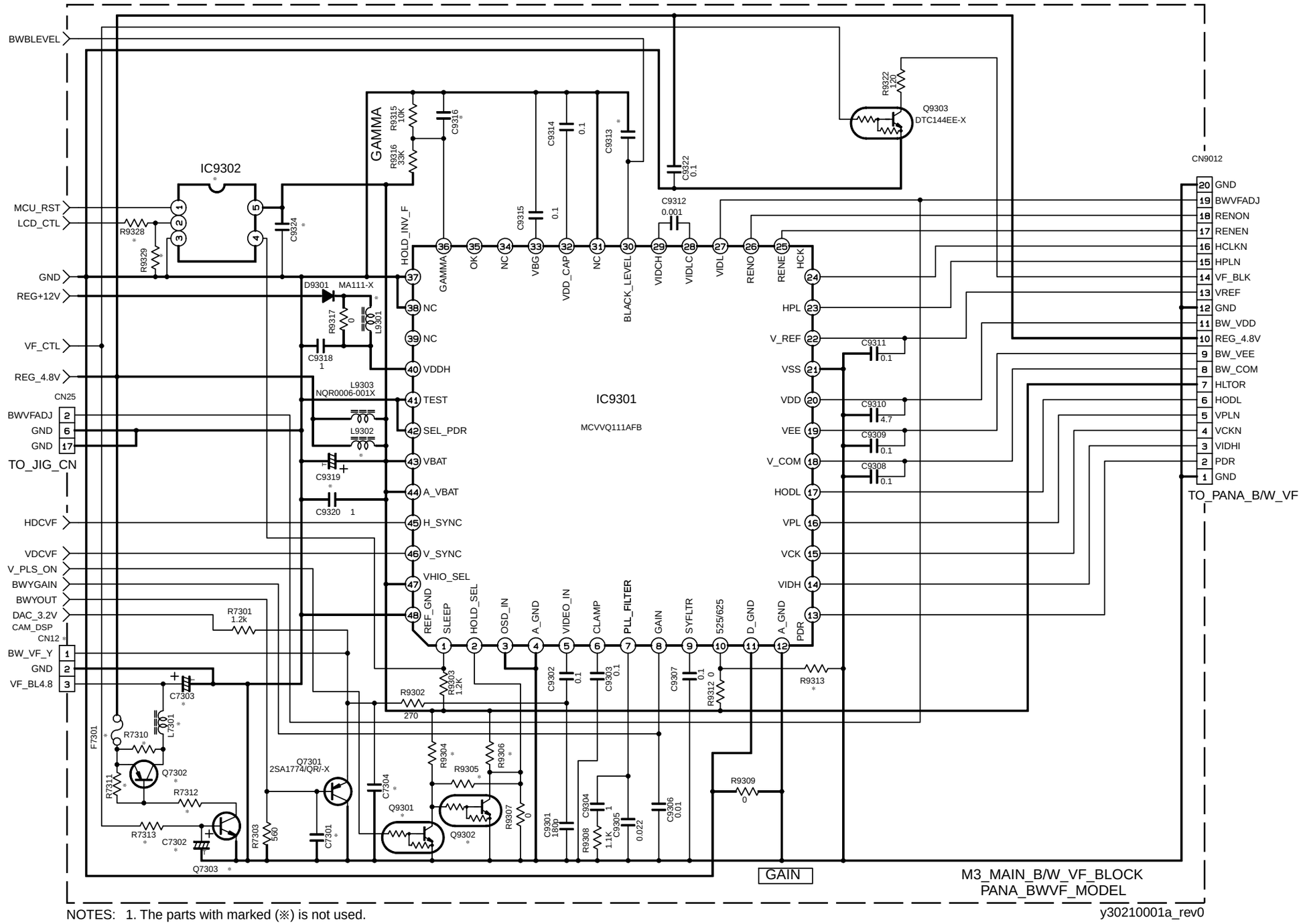
(31) **Zoom Lever [W/T]**
Volume Adjustment Lever [−VOL+]
(32) **DC Input Socket [DC IN]**
(33) **Off/On Mode Selector Switch [CAMERA/OFF/VCR]**
(34) **Grip Belt**
(35) **Speaker**



(36) **Eyepiece Corrector Knob**
(37) **Shoulder Strap Holders**
(38) **Tripod Receptacle**
- Used for mounting the Movie Camera on an optional tripod.

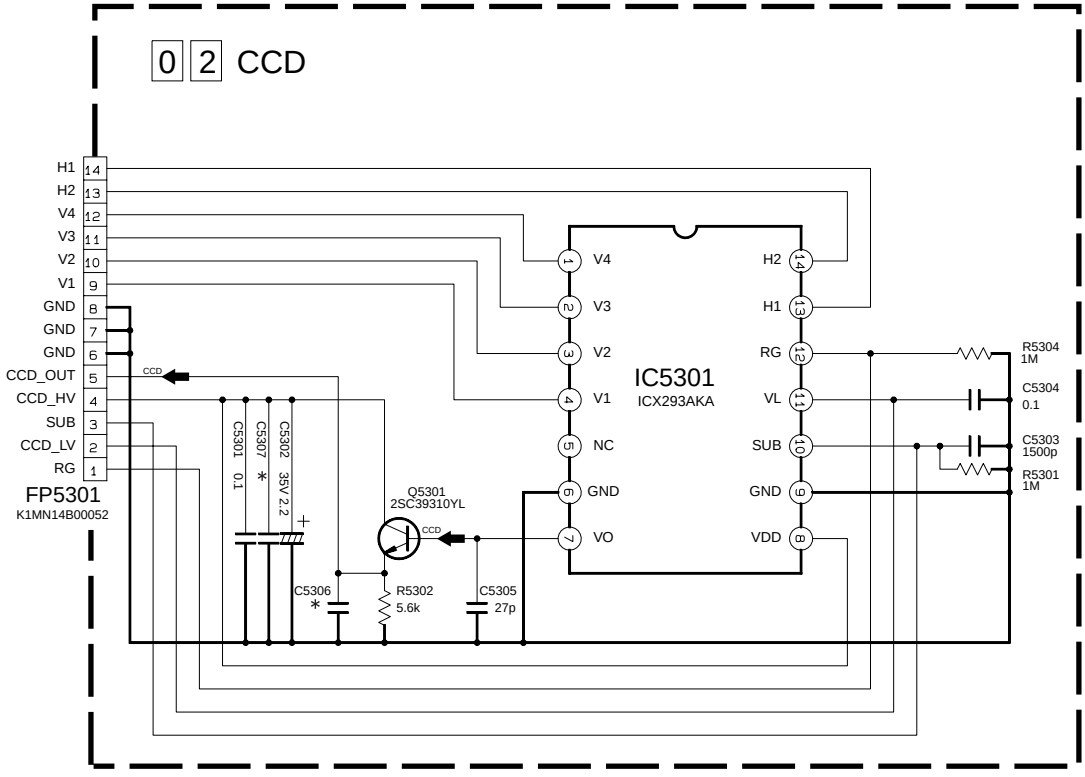
■ BWVF SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



NOTES: 1. The parts with marked (※) is not used.

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "7.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

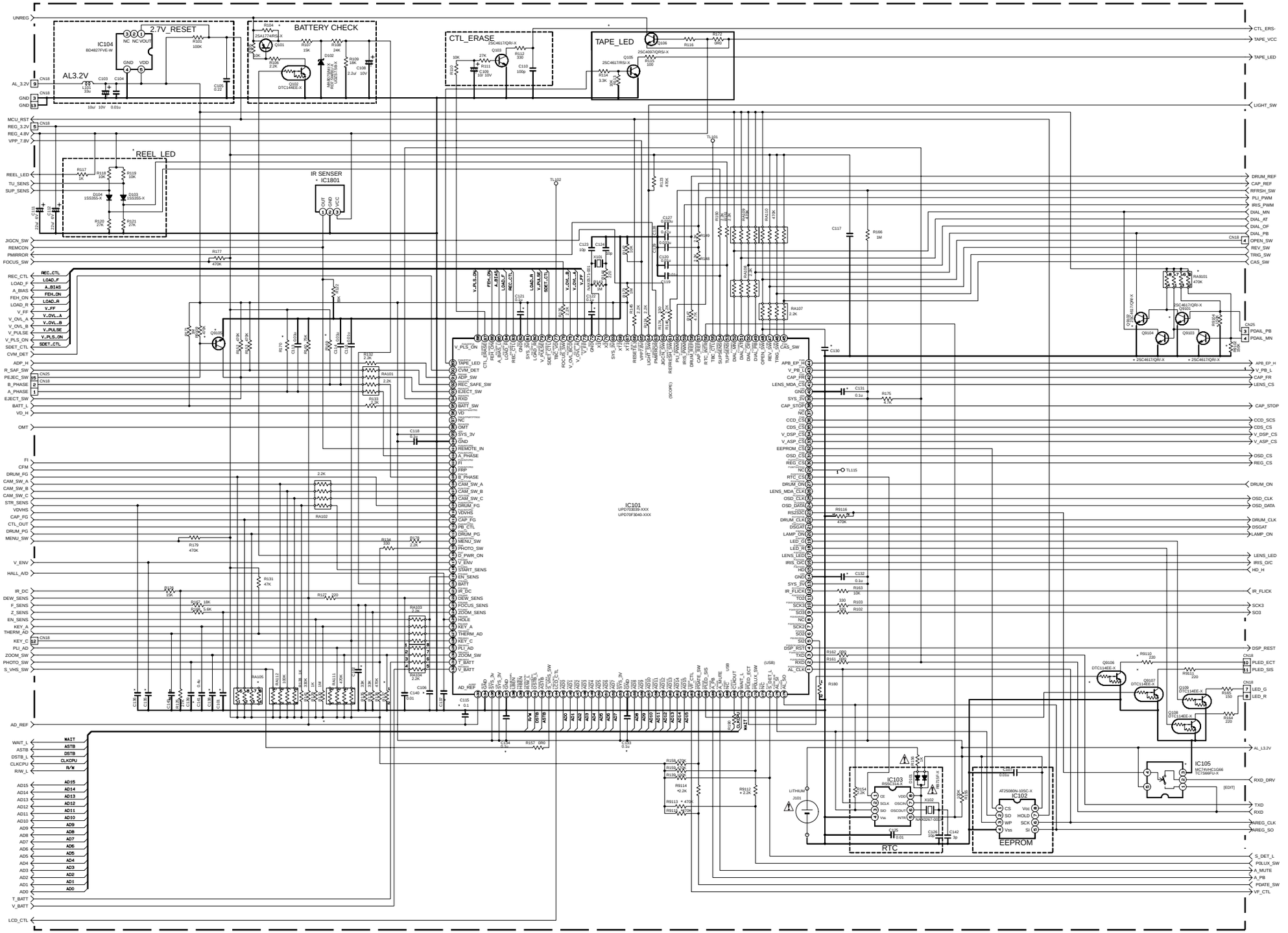


NOTE : The parts with marked (*) is not used.

■ CPU SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



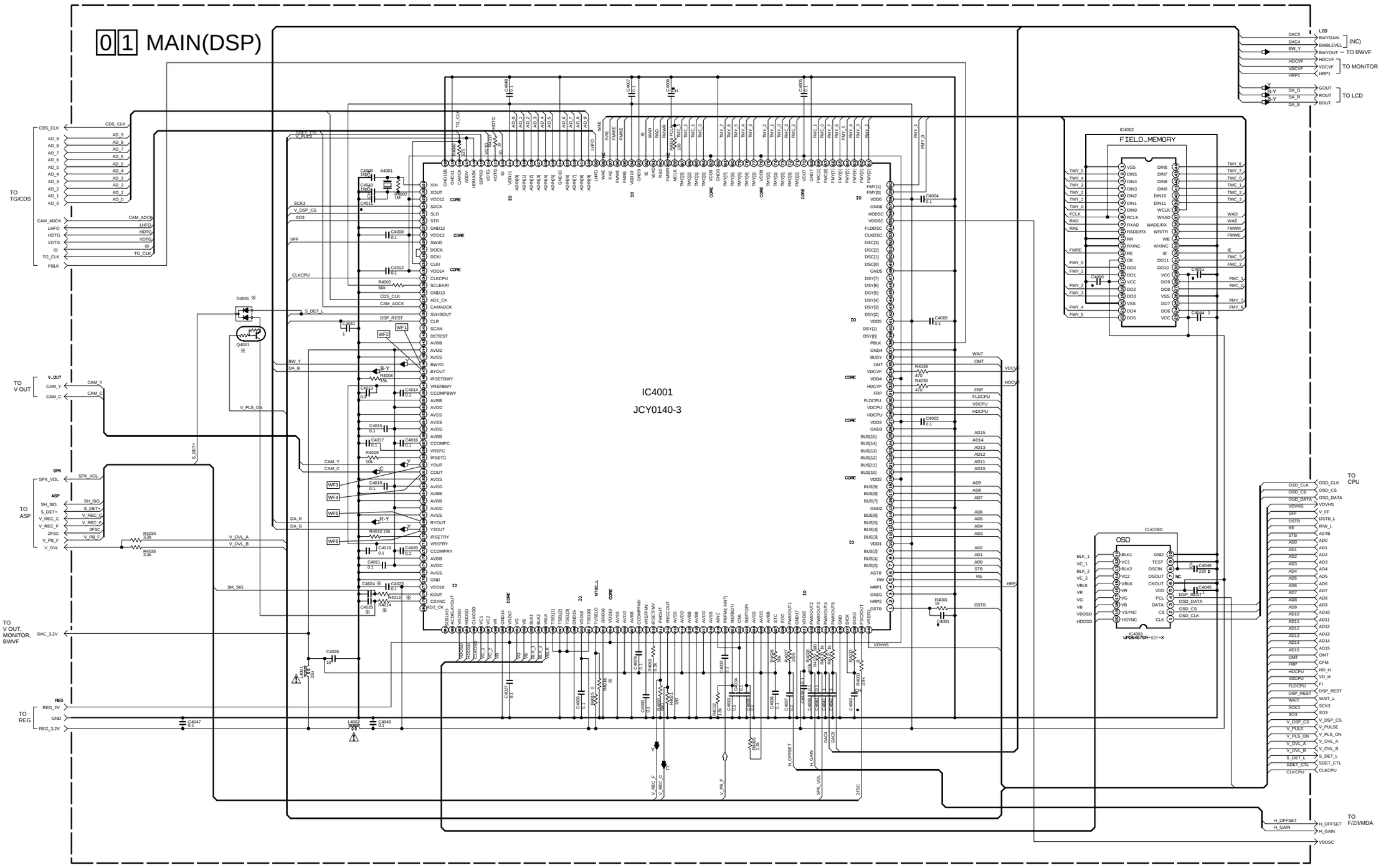
NOTES: 1. The parts with marked (※) is not used.

y10340001a_rev0

■ DSP SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

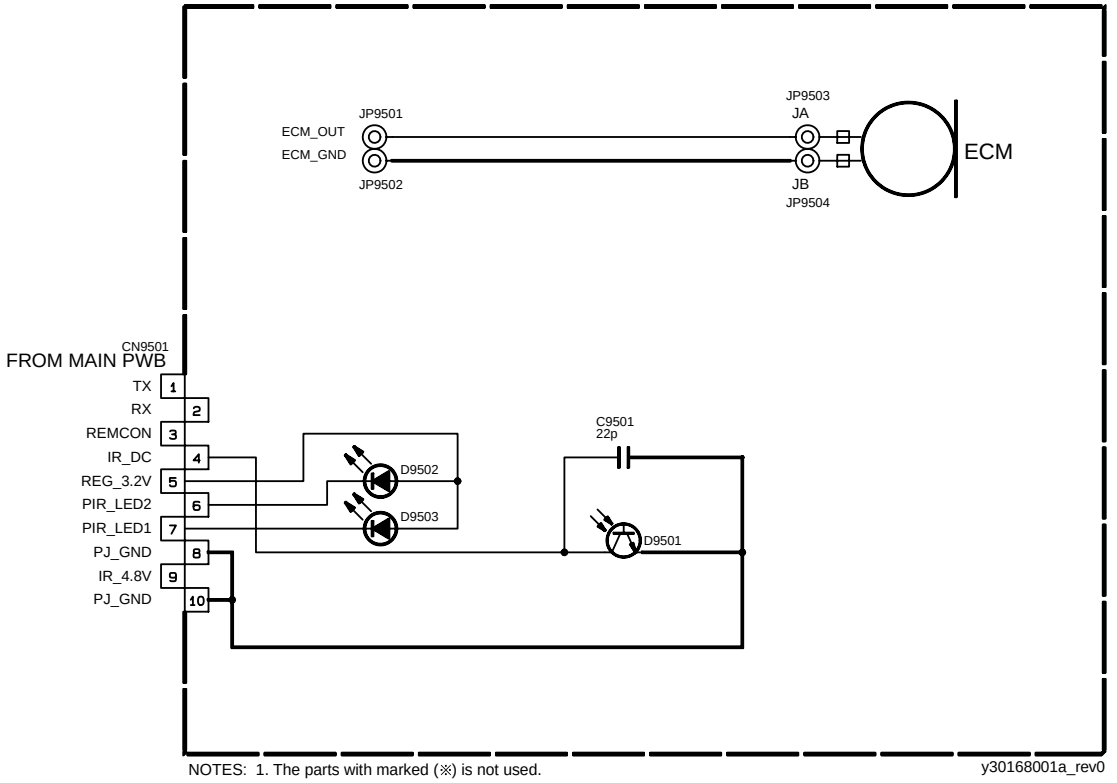


NOTES: 1. The parts with marked (※) is not used.

y10329001a_rev0.0

■ FRONT SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



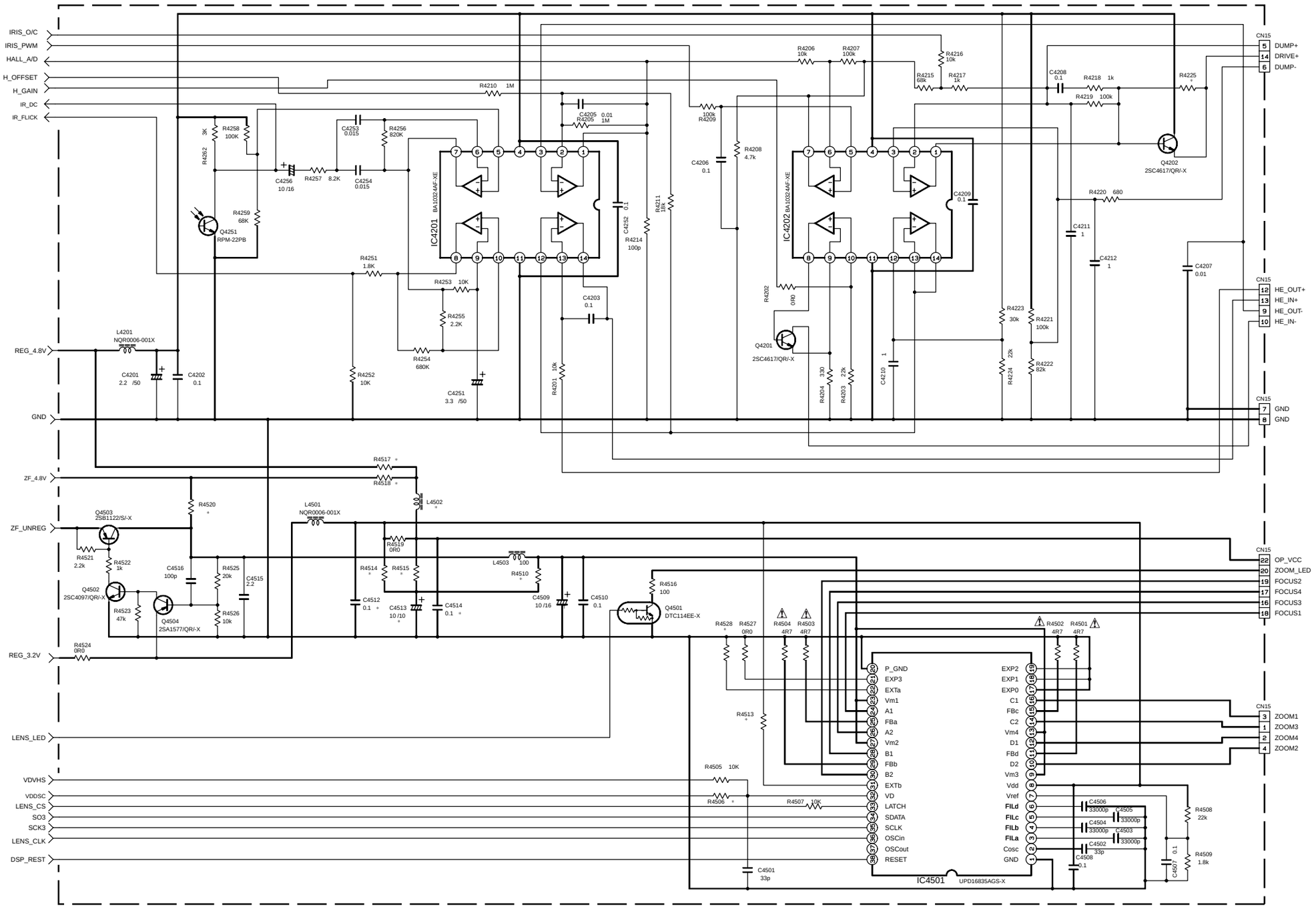
NOTES: 1. The parts with marked (※) is not used.

y30168001a_rev0

■ F/Z/MDA SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

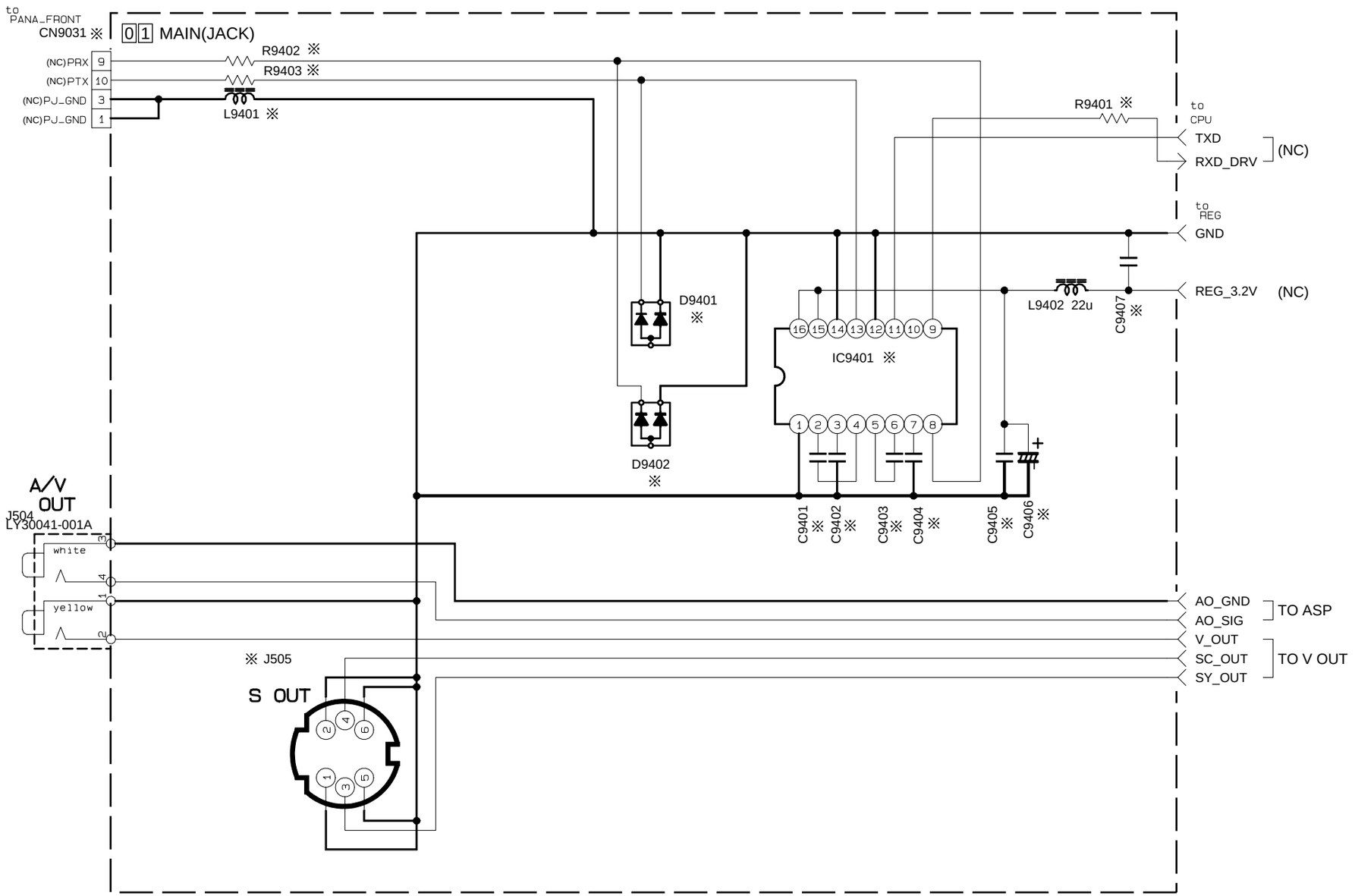


NOTES: 1. The parts with marked (※) is not used.

y20229001a_rev0

■ JACK SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

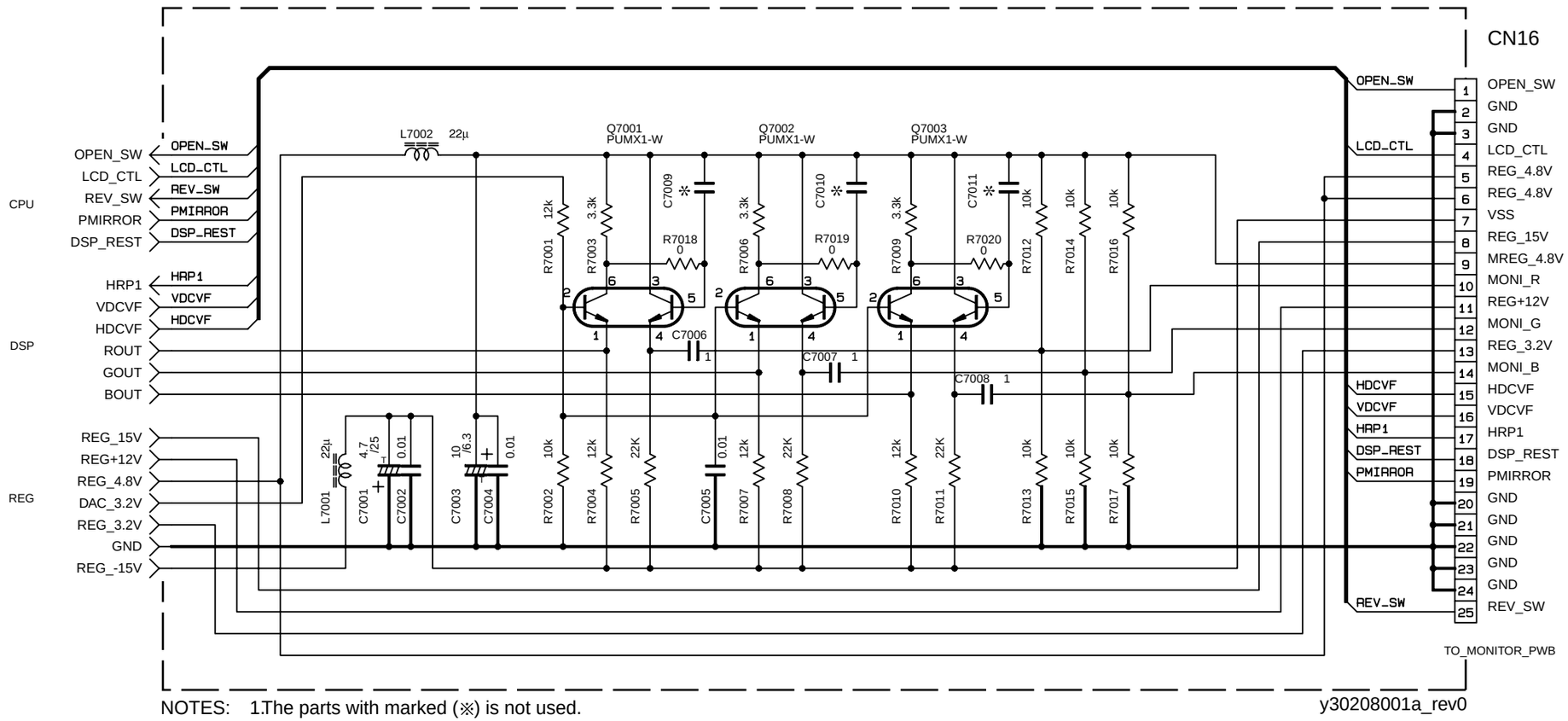


NOTE: The parts with marked (※) is not used.

y30207001a_rev0.1

■ LCD SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

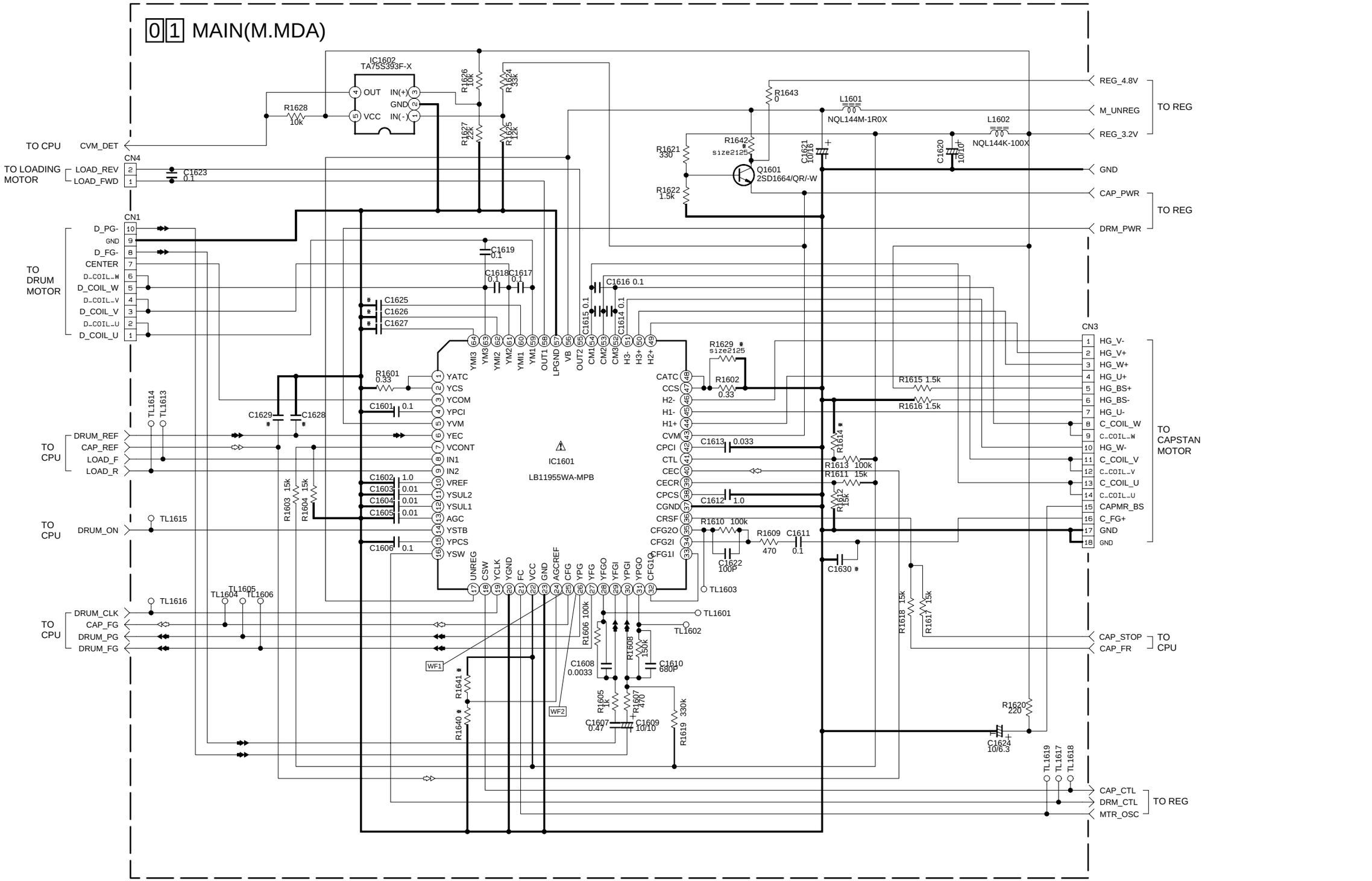


NOTES: 1.The parts with marked (※) is not used.

■ M.MDA SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



NOTES: 1. The parts with marked (※) is not used.

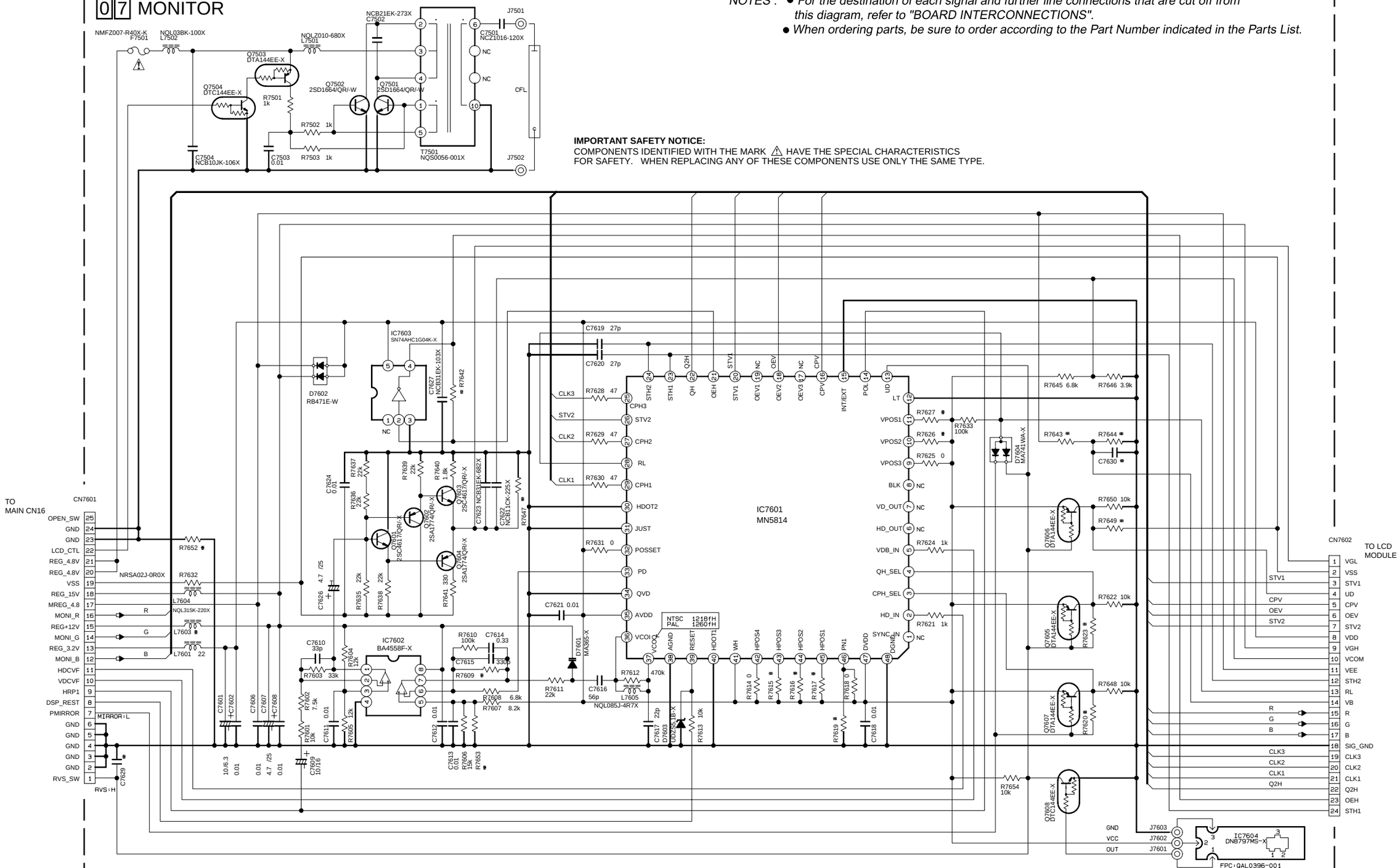
y20223001a_rev0.1

■ MONITOR SCHEMATIC DIAGRAM

07 MONITOR

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

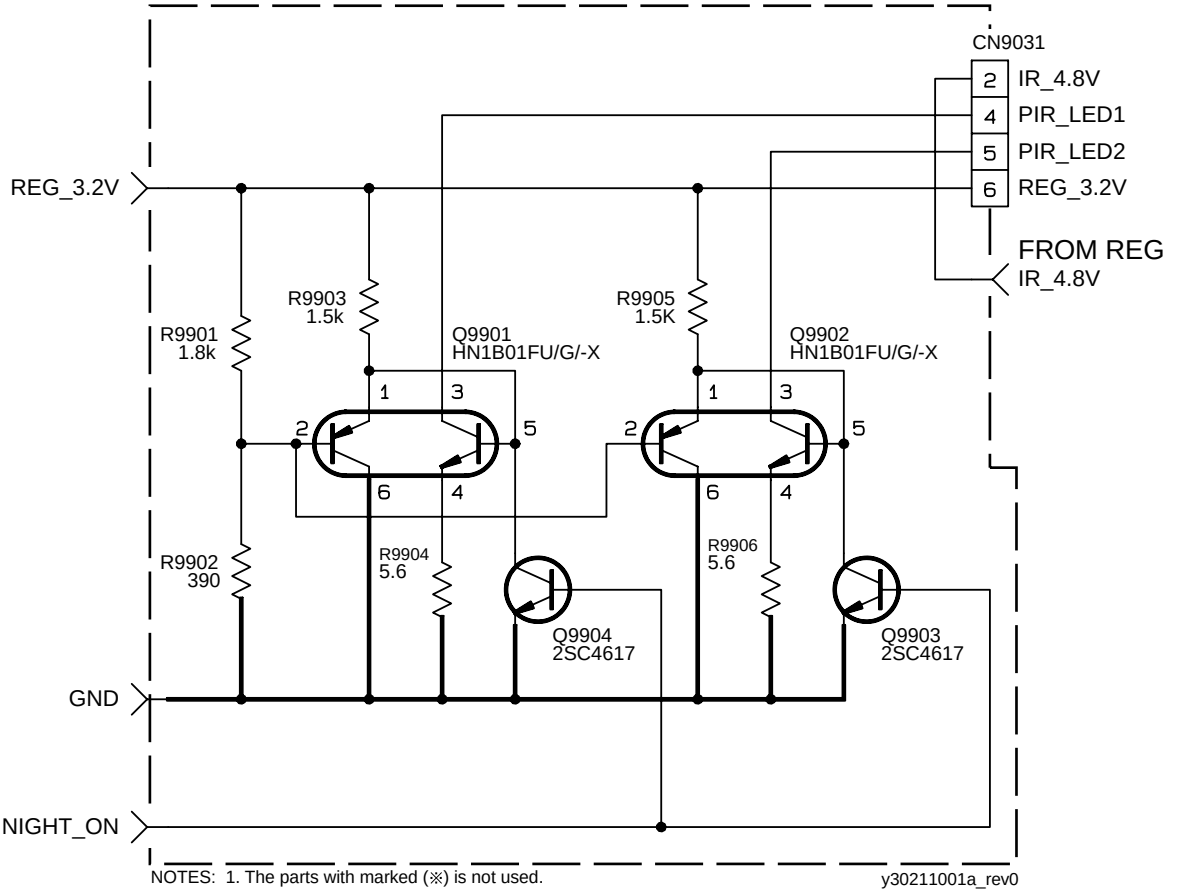


NOTES: The parts with marked (※) is not used.

y20227001a_rev0.0

■ 0LUX SCHEMATIC DIAGRAM

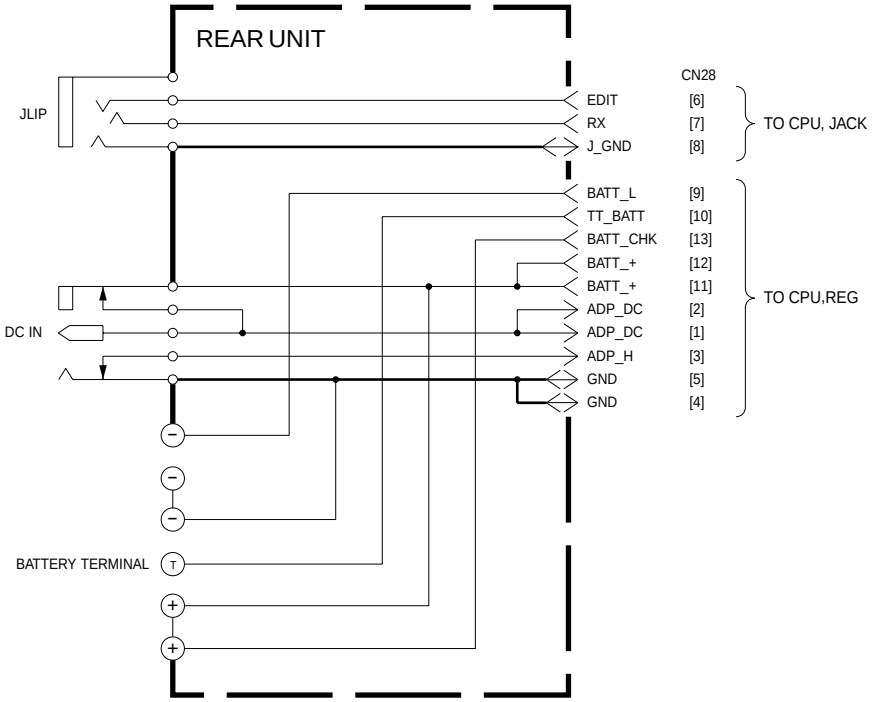
NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



NOTES: 1. The parts with marked (※) is not used.

y30211001a_rev0

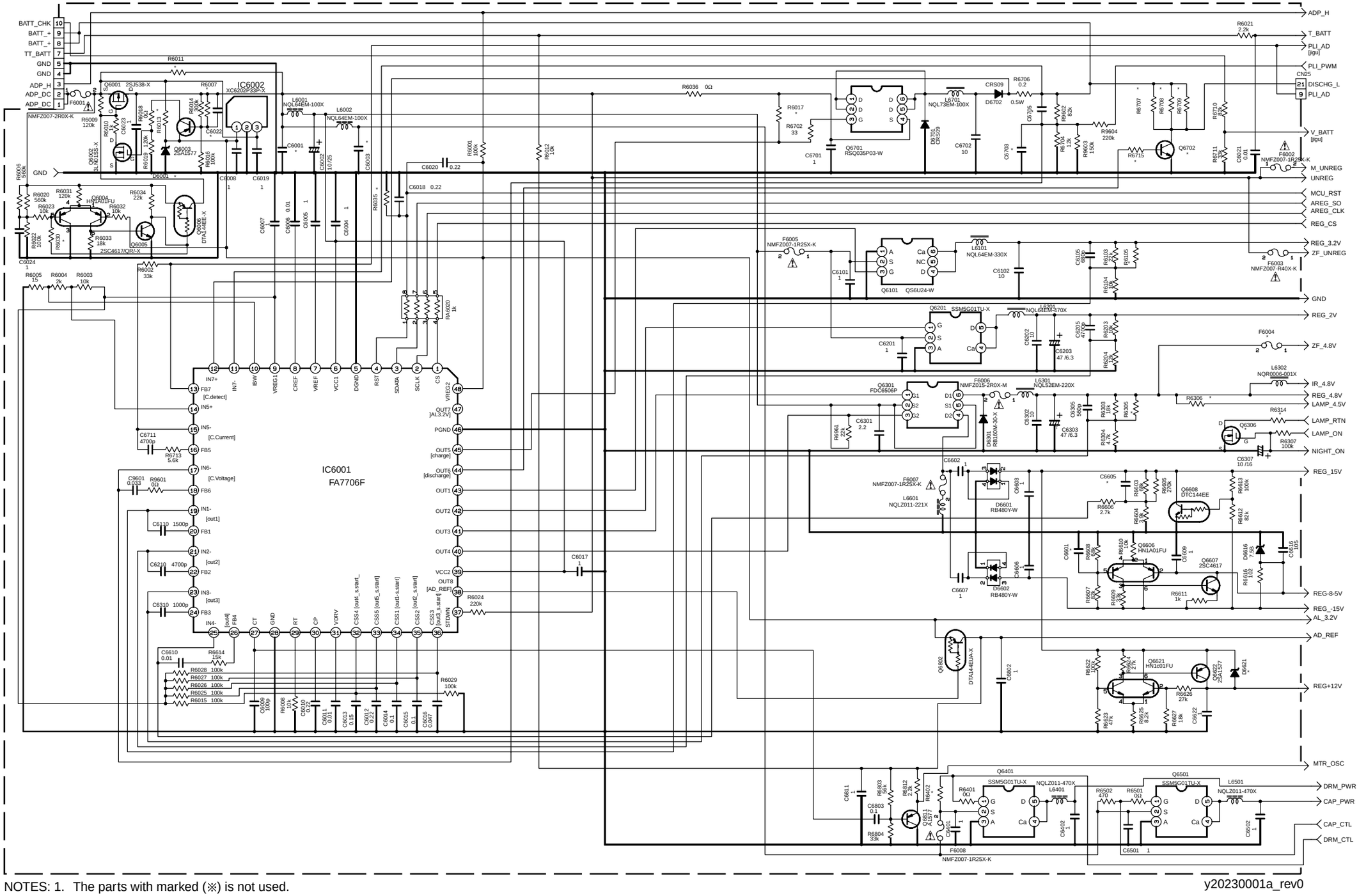
NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "7.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



■ REG SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

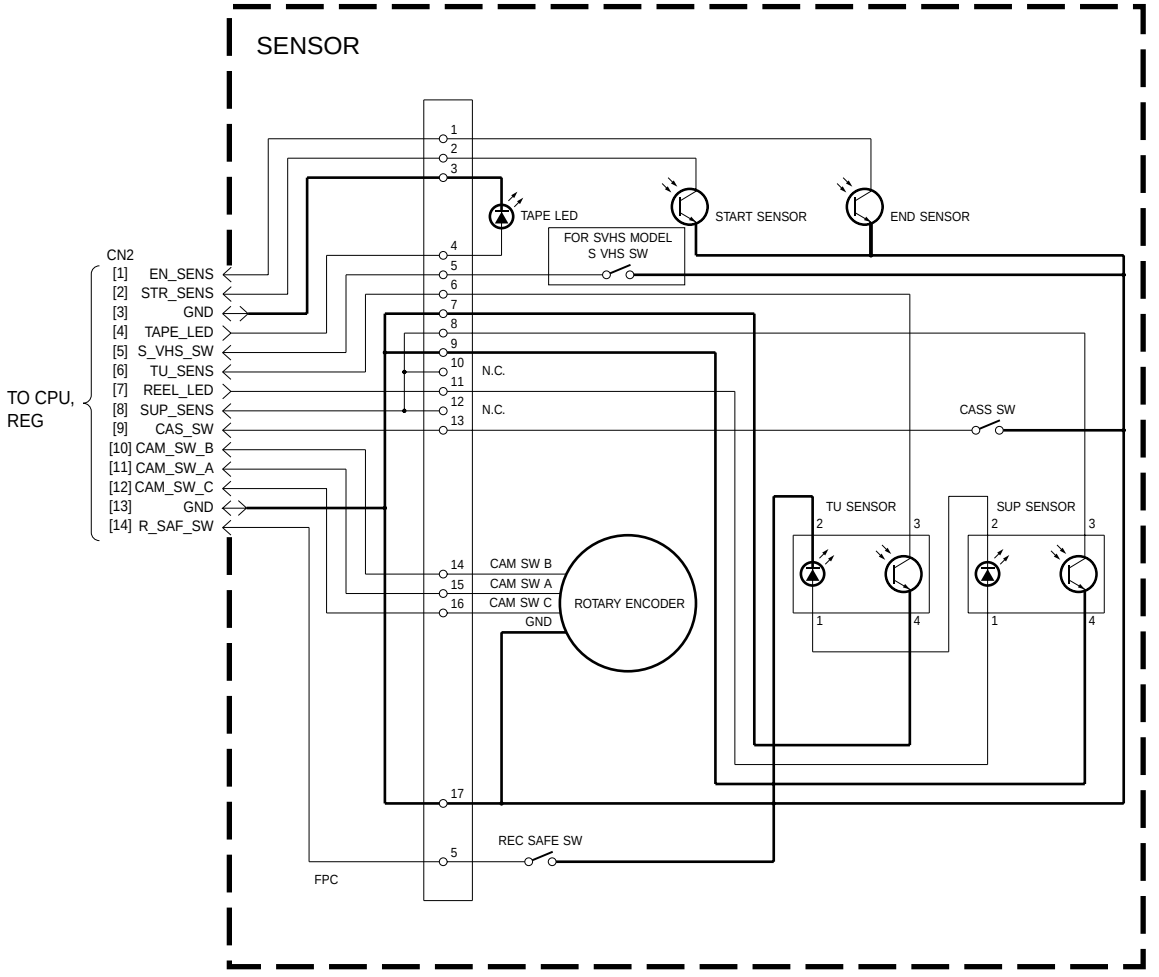
NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



NOTES: 1. The parts with marked (※) is not used.

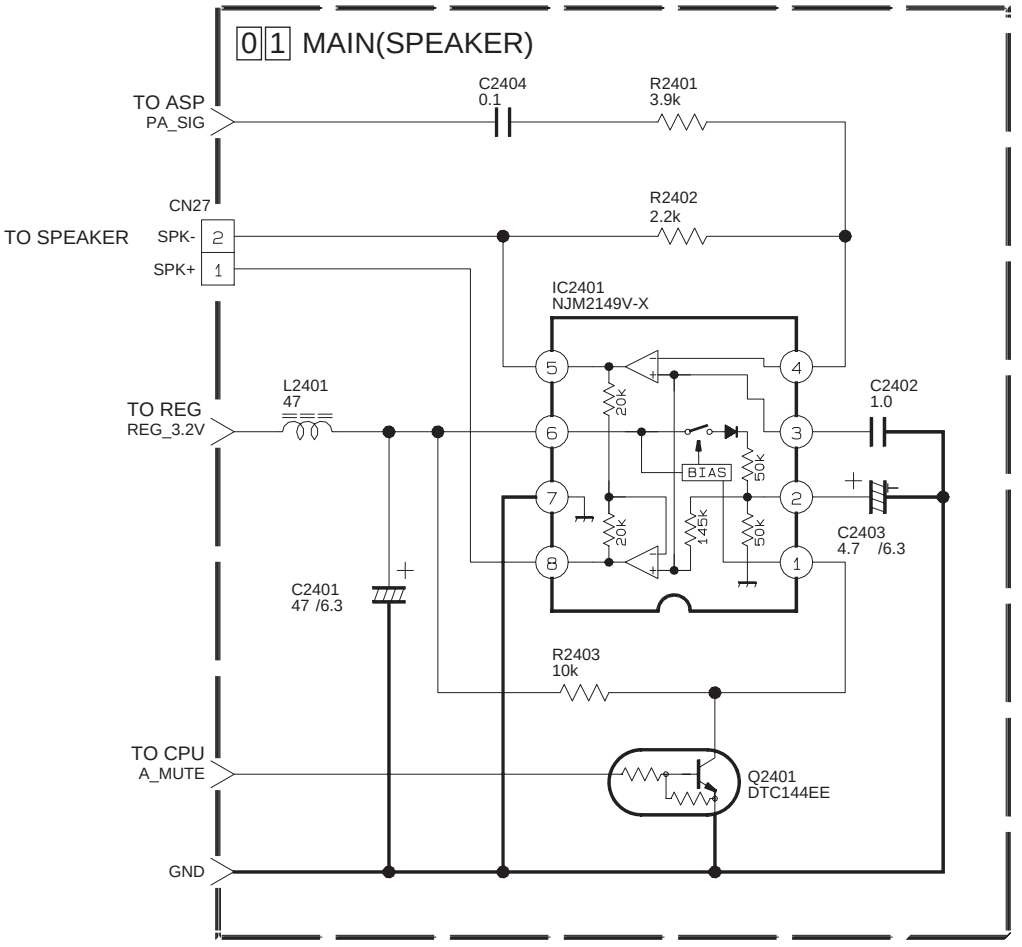
y20230001a_rev0

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "7.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



■ SPEAKER SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

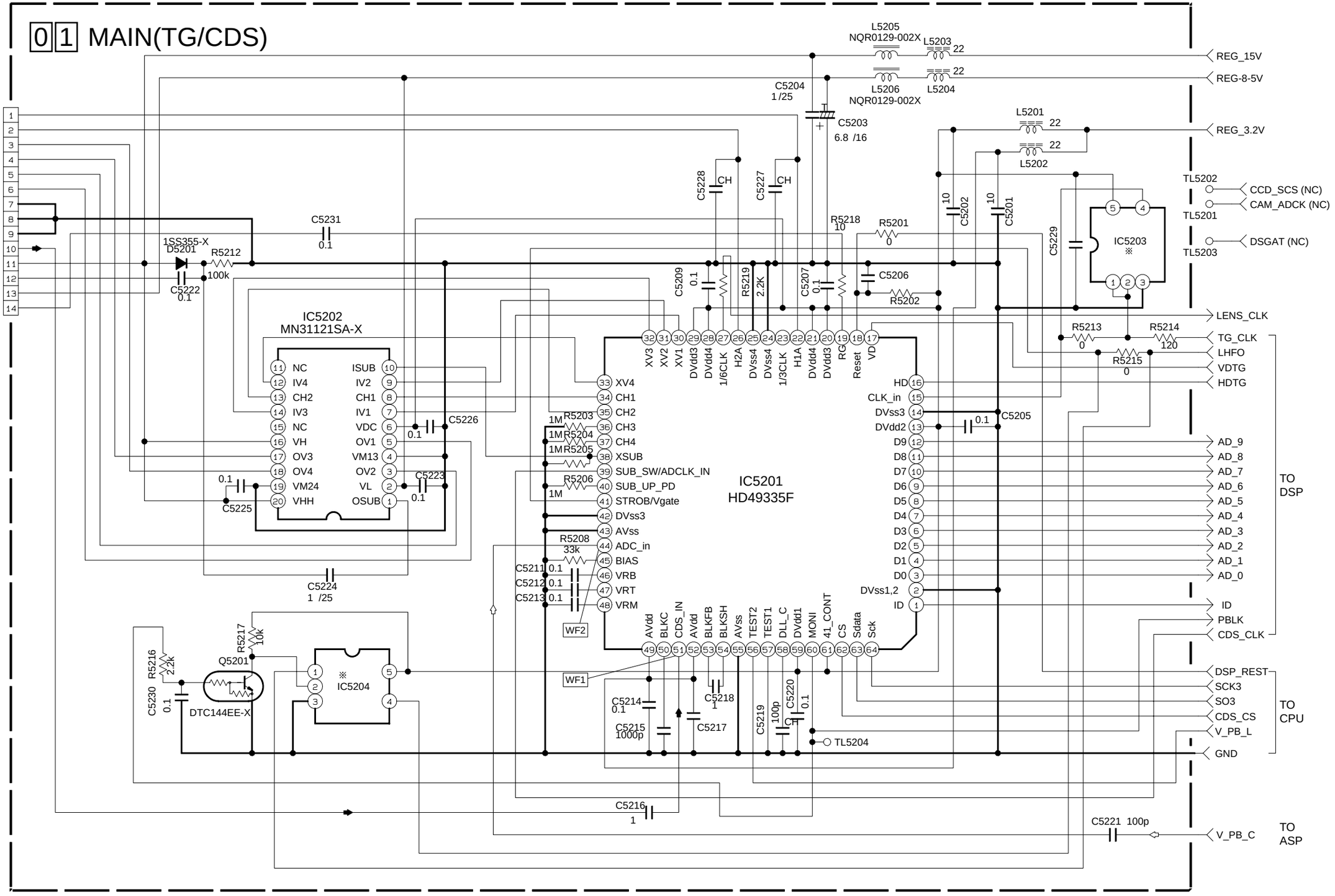


NOTE: The parts with marked (※) is not used.

y40100001a_rev0.0

■ TG/CDS SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

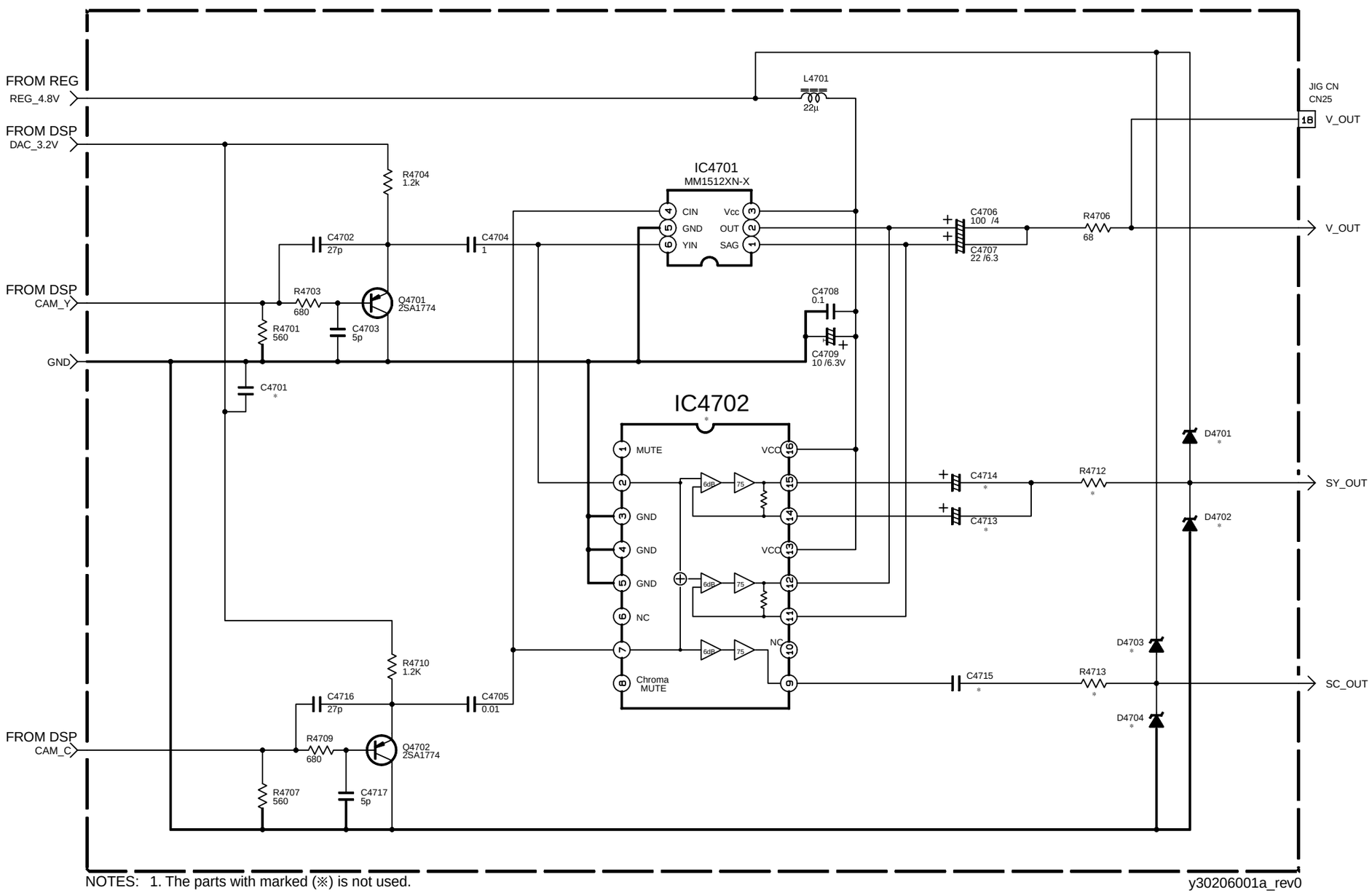


NOTES: 1. The parts with marked (※) is not used.

y30205001a_rev0.0

■ V-OUT SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

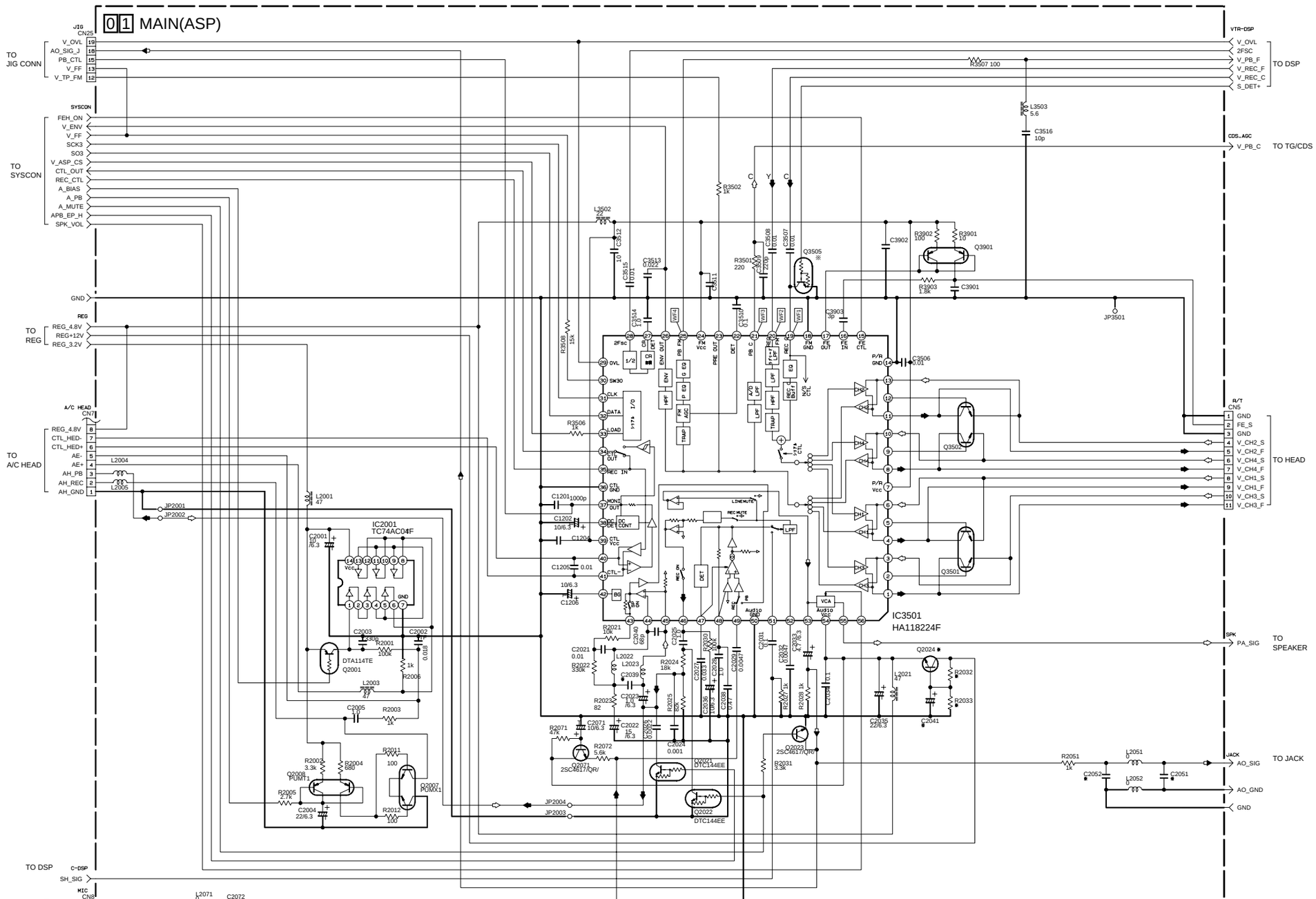


NOTES: 1. The parts with marked (※) is not used.

y30206001a_rev0

■ VTR ASP SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



NOTES: 1. The parts with marked (※) is not used.

y20225001a_rev0.1

<CPU>

MODE PIN NO.	REC	PLAY
IC101		
1	3.2	3.2
2	3.2	3.2
3	0	0
4	3.2	3.2
5	0	0
6	0	0
7	3.2	0
8	0	1.3
9	0.3	0.6
10	3.2	3.2
11	0	0
12	1.3	1.3
13	3.2	3.2
14	0	0
15	0.3	0.3
16	2.0	1.6
17	0	0
18	3.2	3.2
19	0	0
20	0	0
21	3.2	0
22	1.6	1.6
23	0	0
24	3.0	2.9
25	3.1	3.2
26	1.5	0
27	0	0
28	0	0
29	0	0
30	3.2	3.2
31	2.9	2.7
32	3.2	3.3
33	3.2	3.2
34	3.1	3.2
35	3.1	3.2
36	0.3	0.1
37	0	0
38	3.2	3.2
39	3.2	3.2
40	0	0
41	0	0
42	3.2	3.2
43	3.2	0
44	0	0
45	0	0
46	3.0	3.0
47	3.2	3.1
48	0	0
49	3.0	0
50	3.0	3.1
51	0	3.0
52	3.0	3.0
53	2.9	-
54	-	-
55	3.2	3.2
56	0	0
57	1.3	1.3
58	1.7	1.7
59	2.0	0
60	0	0
61	2.9	2.9
62	2.8	1.8
63	3.2	3.2
64	3.0	3.0
65	0	0
66	3.3	3.3
67	3.2	3.2
68	0	0
69	3.2	3.2
70	1.5	1.5
71	0	-
72	-	0
73	1.6	1.6
74	0	0
75	0	0
76	2.9	2.9
77	0	0
78	0	0.1
79	0	0
80	0	0
81	3.2	3.2
82	0	0
83	2.0	0
84	0	0
85	3.2	0
86	3.2	0
87	3.2	0
88	0	0
89	0.2	0.2
90	3.2	3.2
91	3.3	3.3
92	3.0	3.0
93	3.1	3.1
94	3.2	3.2
95	3.0	3.0
96	0	0

MODE PIN NO.	REC	PLAY
97	0	0
98	0.2	0.2
99	3.2	3.2
100	0	0
101	0	0
102	3.2	3.2
103	1.6	1.6
104	0.6	-
105	0	0
106	0	0
107	3.1	3.2
108	3.2	3.2
109	1.7	1.7
110	0	0
111	1.6	1.7
112	1.8	0
113	2.9	2.9
114	3.0	3.1
115	3.0	3.1
116	-	-
117	0	3.0
118	3.2	3.2
119	3.2	3.2
120	3.2	0
121	2.9	2.9
122	0	0
123	0	0
124	0	0
125	2.1	0.6
126	3.2	3.2
127	1.3	1.3
128	3.2	3.2
129	0.7	0.5
130	1.7	1.7
131	3.2	3.2
132	0	0
133	3.2	3.2
134	0	0
135	3.2	3.2
136	3.2	3.2
137	0	0
138	0	0
139	0	0
140	3.2	3.2
141	3.2	3.2
142	3.2	3.2
143	3.1	3.2
144	3.2	3.2
145	1.1	1.2
146	1.2	1.1
147	1.2	1.2
148	1.1	1.1
149	1.1	1.1
150	1.1	1.1
151	1.1	1.1
152	1.1	1.1
153	3.2	3.2
154	0	0
155	1.2	1.1
156	1.2	1.1
157	1.2	1.1
158	1.1	1.1
159	1.2	1.1
160	1.1	1.1
161	1.0	1.1
162	1.1	1.1
163	0	0
164	3.2	3.2
165	0	0
166	3.2	0
167	0	0
168	0	0
169	1.6	1.6
170	3.1	3.1
171	0	0
172	0	0
173	0	0
174	0	3.1
175	0	0
176	0	0
IC102		
1	3.2	3.2
2	0	0
3	3.2	3.2
4	0	0
5	0	0
6	3.2	3.2
7	3.3	3.3
8	3.2	3.2
IC103		
1	0	0
2	3.2	3.2
3	0	0
4	0	0
5	0	0
6	0.5	0.5
7	0.6	0.6

MODE PIN NO.	REC	PLAY
8	3.1	3.1
IC104		
1	3.3	3.3
2	0	0
3	0	0
4	0	0
5	3.2	3.2
IC105	-	-
IC1801	-	-
Q101		
E	11.0	11.1
C	11.0	11.0
B	10.3	10.3
Q102		
E	0	0
C	0	0
B	3.2	3.2
Q103		
E	0	0
C	0	4.8
B	0.6	0
Q105		
E	0	0
C	4.3	4.3
B	0	0
Q108		
E	0	0
C	0	0
B	3.2	3.2
Q109		
E	0	0
C	2.5	2.2
B	0	0

<M.MDA>

MODE PIN NO.	REC	PLAY
IC1601		
1	0	0
2	0	0
3	1.5	1.5
4	2.6	2.6
5	3.1	3.1
6	1.7	1.8
7	1.6	1.6
8	0	0
9	0	0
10	1.2	1.2
11	0.4	0.3
12	0.3	0.4
13	1.7	1.7
14	0	0
15	1.2	1.2
16	8.8	8.7
17	11.0	11.1
18	10.9	10.9
19	1.6	1.6
20	0	0
21	1.8	1.8
22	3.2	3.2
23	0	0
24	0.4	0.4
25	1.6	1.7
26	2.9	3.0
27	1.7	1.7
28	1.2	1.2
29	1.2	1.1
30	1.2	1.2
31	0.2	0
32	1.2	1.2
33	1.2	1.2
34	1.2	1.2
35	1.2	1.2
36	3.0	3.0
37	0.0	0
38	1.7	1.7
39	0.0	1.6
40	1.3	1.3
41	0.0	3.2
42	2.5	2.5
43	-	-
44	-	-
45	-	-
46	-	-
47	-	-
48	-	-
49	-	-
50	-	-
51	-	-
52	-	-
53	-	-
54	-	-
55	-	-
56	-	-
57	0	0
58	0	0
59	0	1.6
60	1.4	1.4
61	1.5	1.6
62	1.4	1.4
63	1.5	1.5
64	1.4	1.4
IC1602		
1	0.5	0.5
2	0	0
3	2.2	2.2
4	3.2	3.2
5	3.2	3.2
Q1601		
E	1.7	1.8
C	4.7	4.8
B	2.4	2.4

<ASP>

MODE PIN NO.	REC	PLAY
IC2001		
1	1.5	3.2
2	1.6	0
3	1.5	3.2
4	1.5	3.2
5	1.5	3.2
6	1.5	0
7	0	0
8	1.5	0
9	1.5	3.2
10	1.5	0
11	1.5	3.2
12	1.5	0
13	1.5	3.2
14	3.1	3.2
IC3501		
1	2.2	2.2
2	2.2	2.2
3	2.2	2.2
4	2.2	2.2
5	2.2	2.3
6	2.2	2.2
7	4.7	2.2
8	2.2	4.7
9	2.2	2.2
10	2.2	2.2
11	2.1	2.2
12	2.2	2.3
13	2.2	2.2
14	0	0
15	3.2	0
16	2.8	0.7
17	3.9	4.8
18	0	0
19	2.8	0
20	2.8	0.1
21	0.9	2.2
22	0	2.1
23	2.1	2.3
24	4.7	4.7
25	2.4	2.4
26	0	3.0
27	2.6	2.6
28	2.9	2.9
29	0	0
30	1.5	1.5
31	3.2	3.2
32	0.3	0.6
33	3.2	3.2
34	1.9	1.7
35	1.9	0
36	0	0
37	2.5	2.3
38	3.0	3.1
39	4.7	4.7
40	2.4	2.1
41	2.1	2.1
42	2.8	2.8
43	2.7	2.5
44	2.7	2.5
45	2.4	2.4
46	2.4	2.5
47	0.4	0.5
48	2.5	2.5
49	2.4	2.5
50	0	0
51	2.4	2.5
52	2.4	2.5
53	2.4	2.5
54	4.7	4.7
55	2.5	2.5
56	0	1.4
Q2001		
E	3.1	3.2
C	1.5	3.2
B	3.2	0
Q2007		
1(E)	-9.0	0
2(B)	-15.2	0.7
3(C)	0	0
4(E)	-8.7	0
5(B)	-15.2	0.7
6(C)	0	0
Q2008		
1(E)	3.1	1.8
2(B)	3.2	1.2
3(C)	3.2	1.2
4(E)	3.1	1.8
5(B)	3.2	1.2
6(C)	-15.3	0.8
Q2021		
E	0	0
C	0.3	0
B	0	0
Q2022		
E	0	0
C	0	0

MODE PIN NO.	REC	PLAY
B	0	0
Q2023		
E	0	0
C	0	0
B	0	0
Q2071		
E	4.4	4.4
C	4.7	4.7
B	4.7	4.7
Q3501		
1(E)	2.2	2.2
2(B)	2.4	2.3
3(C)	2.2	2.2
4(E)	2.2	2.2
5(B)	2.3	2.2
6(C)	2.2	2.2
Q3502		
1(E)	2.2	2.2
2(B)	2.3	2.3
3(C)	2.2	2.1
4(E)	2.1	2.1
5(B)	2.2	2.3
6(C)	2.2	2.2
Q3505		
E	0	0
C	2.8	0
B	0	2.7
Q3901		
1(E)	4.6	4.7
2(B)	3.9	4.8
3(C)	3.9	0
4(E)	4.5	4.7
5(B)	3.9	4.7
6(C)	0	0

<SPEAKER>

MODE PIN NO.	REC	PLAY
IC2401		
1	2.9	2.9
2	1.2	1.3
3	1.2	1.3
4	1.2	1.3
5	1.3	1.3
6	3.2	3.2
7	0	0
8	1.2	1.3
Q2401		
E	0	0
C	2.9	2.9
B	0	0

<DSP>

MODE PIN NO.	REC	PLAY
IC4001		
1	3.2	3.2
2	0.5	0.8
3	0	0
4	1.6	1.6
5	3.2	3.2
6	3.2	3.2
7	0.7	0.8
8	0.7	0.8
9	0.7	0.9
10	3.1	3.1
11	0.6	0.6
12	0.5	0.8
13	0.6	0.8
14	0.6	0.7
15	0	0
16	0.5	0.7
17	0.6	0.9
18	0.5	0.7
19	1.8	1.8
20	0.5	0.7
21	0.5	0.7
22	0.6	0.7
23	0.5	0.6
24	0.5	0.7
25	0.5	0.6
26	0	0
27	1.8	1.8
28	0.3	0.2
29	0	0
30	1.6	1.6
31	0.6	0.6
32	2.9	2.9
33	1.8	1.8
34	3.0	3.0
35	0.2	0.2
36	3.1	3.1
37	0	0
38	0.5	0
39	1.2	0.6
40	1.2	0.7
41	3.1	3.1
42	1.1	0.7
43	0.9	0.7
44	1.2	0.7
45	0.8	0.7
46	0.8	0.7
47	0.5	0.6
48	0	0
49	0.8	0.7
50	1.0	0.7
51	1.0	0.7
52	1.4	0.8
53	1.5	1.3
54	1.5	1.6
55	0	0
56	0.3	0.2
57	0	0.1
58	3.1	3.1
59	1.2	1.9
60	0	1.1
61	1.0	2.1
62	0.9	1.3
63	0.5	2.0
64	0.8	1.3
65	0.8	1.6
66	0.5	0.7
67	1.0	2.0
68	1.0	1.3
69	0	0
70	1.8	1.8
71	0.9	2.1
72	1.3	1.1
73	1.3	1.7
74	1.3	1.3
75	1.1	1.6
76	1.8	1.8
77	1.0	1.7
78	0.6	1.7
79	0.8	1.7
80	0.8	1.3
81	0.5	0.8
82	0	0
83	1.8	1.8
84	0.9	1.5
85	0.9	1.5
86	0.9	1.5
87	1.5	1.5
88	1.5	1.4
89	0	0
90	0	0
91	0	0
92	3.0	3.0
93	0	0
94	3.2	3.2
95	2.6	2.6
96	2.6	2.6

MODE PIN NO.	REC	PLAY
97	0	0
98	0	0
99	0	0
100	0	1.5
101	0.4	1.6
102	0.7	1.6
103	0.5	1.6
104	0	0
105	2.4	1.6
106	0.8	1.5
107	0.9	1.6
108	0.9	1.6
109	1.4	1.7
110	1.4	1.8
111	3.1	3.1
112	1.6	1.6
113	2.8	0.3
114	3.0	0
115	0	0.1
116	0	0
117	0	0
118	1.5	1.5
119	0	0
120	0	0
121	1.6	1.6
122	1.6	1.6
123	1.8	1.8
124	3.2	3.2
125	3.2	3.2
126	0.2	0.6
127	0	0
128	1.8	1.8
129	1.6	1.6
130	1.5	1.5
131	1.5	1.5
132	1.5	1.4
133	1.8	1.8
134	0	1.5
135	3.0	3.0
136	0	0
137	3.1	1.5
138	1.0	0.9
139	0	3.1
140	3.2	3.2
141	0	0
142	3.1	3.1
143	0	0
144	3.1	3.1
145	0	0
146	0.3	0
147	0.8	0.9
148	0	0.7
149	0	0.7
150	0	2.5
151	0	0
152	3.1	3.1
153	0	0
154	0	0
155	3.1	3.1
156	0	0
157	2.4	2.4
158	0.7	0.7
159	0.8	0.7
160	0.3	0.3
161	0.7	0.6
162	0	0
163	3.1	3.1
164	0	0
165	0	0
166	3.1	3.1
167	0	0
168	0.9	1.0
169	0.7	0.8
170	0	0.7
171	0.7	0.7
172	2.5	2.4
173	0	0
174	3.1	3.1
175	0	0
176	0	0
177	3.1	3.2
178	1.5	1.5
179	0.1	3.1
180	1.5	1.5
181	3.1	3.1
182	0	0
183	3.1	3.1
184	2.9	2.9
185	0	1.3
186	0	0
187	0	0
188	0	0
189	0	0
190	1.8	1.8
191	0	0
192	0	0
193	0	0

MODE PIN NO.	REC	PLAY
194	0	0
195	0	0
196	0	0
197	0	0
198	0	0
199	0	0
200	3.1	3.2
201	0	0
202	3.1	3.1
203	0	0
204	1.7	1.8
205	0	0
206	0	3.1
207	0	0
208	2.4	0
209	0.7	0.7
210	0	0.7
211	0.6	0
212	0.1	0.3
213	0	0
214	3.1	3.1
215	0	0
216	0	0
217	3.0	3.1
218	0	0
219	1.5	1.6
220	0.4	1.5
221	1.2	1.2
222	1.6	1.6
223	1.6	1.7
224	0	0
225	3.1	3.1
226	0	0
227	3.0	3.0
228	0	1.4
229	2.1	2.1
230	0	0
231	3.1	3.1
232	2.9	2.9
233	0	1.4
234	2.3	0
235	1.6	1.6
236	0.1	0
237	1.4	1.4
238	1.4	1.5
239	0	1.5
240	0	0
IC4002		
1	0	0
2	0.8	1.6
3	0.5	1.7
4	0.9	1.6
5	1.1	1.5
6	1.3	1.3
7	1.4	1.7
8	1.5	1.5
9	0	0
10	0	0
11	0	0
12	0	0
13	2.6	2.6
14	3.1	3.2
15	1.2	1.9
16	1.1	1.0
17	3.1	3.1
18	1.0	1.8
19	0.9	1.2
20	0	0
21	0.5	2.0
22	0.8	1.2
23	3.1	3.1
24	0.9	1.7
25	0.5	0.8
26	0	0
27	0.8	2.0
28	0	1.3
29	3.1	3.1
30	0.9	1.8
31	1.3	1.2
32	3.0	3.0
33	0	0
34	2.6	2.6
35	0	0
36	0	0
37	0	0
38	1.5	1.5
39	1.5	1.5
40	0.9	1.5
41	1.0	1.5
42	0.8	1.5
43	0.5	0.8
44	0.8	1.3
IC4003		
1	3.1	3.1
2	2.9	2.7
3	3.0	3.0
4	3.2	3.2

MODE PIN NO.	REC	PLAY
5	3.1	3.1
6	0	0
7	1.2	1.3
8	1.3	1.3
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	3.0	3.1
20	2.9	2.9
Q4001	-	-

<F/Z/I/MDA>

MODE PIN NO.	REC	PLAY
IC4201		
1	2.0	0.5
2	1.9	1.8
3	1.9	1.9
4	4.7	4.8
5	1.9	1.9
6	1.9	1.9
7	1.9	1.9
8	1.5	1.5
9	1.9	1.9
10	1.9	1.9
11	0	0
12	1.9	1.9
13	1.9	1.9
14	2.8	2.8
IC4202		
1	1.9	3.6
2	2.0	0.4
3	1.7	0.4
4	4.8	4.8
5	2.0	0
6	2.1	0.5
7	2.2	0
8	0	1.2
9	0.5	0.5
10	0.5	0.5
11	0	0
12	1.9	2.0
13	1.9	1.9
14	1.9	1.9
IC4501		
1	0	0
2	0.6	0.6
3	0	0.3
4	0.3	0
5	0	0.4
6	0.3	0
7	0	0
8	3.2	3.2
9	4.8	4.8
10	0	0
11	0	0
12	0	0
13	4.7	4.8
14	0.3	0
15	0	0
16	0.3	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	4.8	4.8
24	0.9	0.2
25	0	0
26	0.9	0.2
27	4.7	4.8
28	0.9	0.2
29	0	0
30	0.9	0.2
31	3.1	3.2
32	0	0
33	0	0
34	0.3	0.6
35	3.1	3.2
36	1.5	1.6
37	1.5	1.6
38	3.2	3.2
Q4201		
E	0.5	0.5
C	1.0	1.0
B	1.1	1.2
Q4202		
E	1.1	2.9
C	4.8	4.8
B	1.9	3.6
Q4251		
E	0	0
C	4.4	4.4
B	-	-
Q4501		
E	0	0
C	3.8	3.7
B	0	0
Q4502	-	-
Q4503	-	-
Q4504	-	-

<V-OUT>

MODE PIN NO.	REC	PLAY
IC4701	-	-
IC4702		
1	0	0
2	2.3	2.3
3	0	0
4	0	0
5	0	0
6	0	0
7	1.9	1.9
8	0	0
9	2.3	2.3
10	0	0
11	2.0	1.9
12	2.1	2.1
13	4.7	4.7
14	1.8	1.8
15	1.8	1.8
16	4.7	4.8
Q4701		
E	1.0	1.1
C	0	0
B	0.4	0.4
Q4702		
E	0	1.3
C	0	0
B	1.3	0.6

<TG CDS>

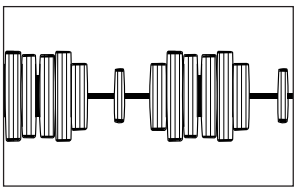
MODE PIN NO.	REC	PLAY
IC5201		
1	1.5	1.6
2	0	0
3	1.3	1.8
4	1.3	1.7
5	1.1	1.6
6	0.9	1.6
7	0.7	1.5
8	2.4	1.6
9	0.4	1.6
10	0.5	1.6
11	0.4	1.6
12	0	1.5
13	3.1	3.2
14	0	0
15	1.5	1.6
16	2.8	0.3
17	3.0	0
18	3.2	3.2
19	0	0
20	3.1	3.2
21	3.1	3.2
22	1.7	1.7
23	0	1.0
24	0	0
25	0	0
26	0	1.4
27	1.5	1.5
28	3.1	3.2
29	3.1	3.2
30	0	0
31	0	0
32	2.9	0
33	2.9	0
34	3.1	3.2
35	3.1	3.2
36	3.1	0.3
37	3.1	0.3
38	3.1	0.2
39	3.1	1.5
40	0	0
41	0	0
42	0	0
43	0	0
44	0.3	1.0
45	1.2	1.2
46	0.9	0.9
47	2.0	2.0
48	1.4	1.5
49	3.1	3.2
50	0	0
51	2.0	1.4
52	3.1	3.2
53	2.0	0
54	2.0	0
55	0	0
56	3.2	0
57	0	0
58	1.0	0
59	3.1	3.2
60	0.4	0
61	3.1	3.2
62	3.1	0
63	0.3	0
64	3.1	3.2
IC5202		
1	-7.5	14.9
2	-7.5	-7.5
3	-0.2	0
4	0	0
5	-0.1	0
6	3.2	3.2
7	0.1	0
8	3.2	3.2
9	0	0
10	3.1	0.6
11	0	0
12	3.0	0
13	3.1	3.2
14	3.0	0
15	0	0
16	14.8	14.9
17	-7.0	0
18	-7.0	0
19	0	0
20	14.8	14.8

<REG>

MODE PIN NO.	REC	PLAY
IC6001		
1	3.2	3.2
2	3.2	3.2
3	0	0
4	-	-
5	0	0
6	11.1	11.

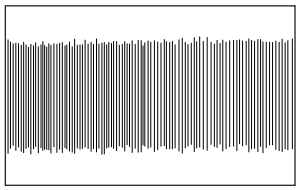
— ASP —

WF1 IC3501-19



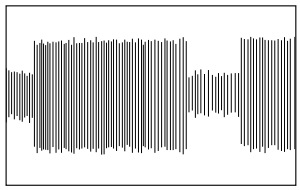
REC 0.11 Vp-p
2 mV/10 µsec/DIV

WF2 IC3501-20



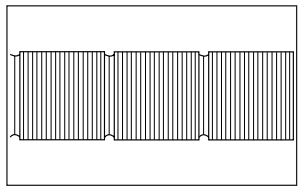
REC 0.35 Vp-p
10 mV/10 µsec/DIV

WF3 IC3501-21



PB 24 mVp-p
1 mV/5 msec/DIV

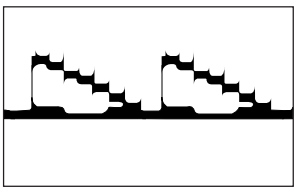
WF4 IC3501-25



PB 0.26 Vp-p
10 mV/5 msec/DIV

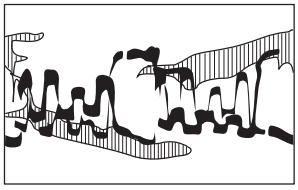
— DSP —

WF1 IC4001-146



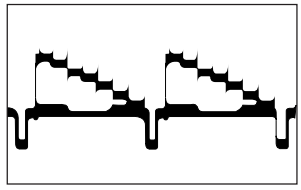
REC/PB 0.29 Vp-p
10 mV/20 µsec/DIV

WF2 IC4001-147



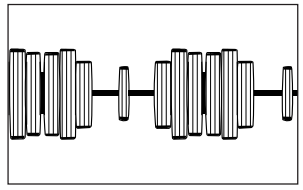
REC/PB 0.1 Vp-p
5 mV/10 µsec/DIV
PB 0.3 Vp-p
10 mV/10 µsec/DIV

WF3 IC4001-160



REC/PB 0.58 Vp-p
10 mV/20 µsec/DIV

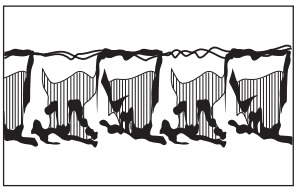
WF4 IC4001-161



REC 0.36Vp-p
PB 0.36 Vp-p
5 mV/10 µsec/DIV

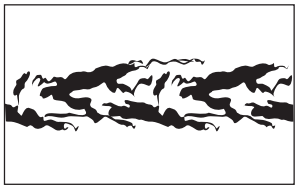
— TG/CDS —

WF5 IC4001-168



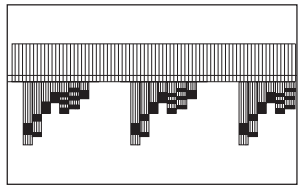
REC /PB 0.38 Vp-p
5 mV/10 µsec/DIV

WF6 IC4001-169



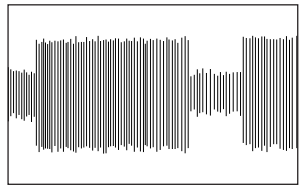
REC 50 mVp-p
5 mV/10µsec/DIV
PB 0.2 Vp-p

WF1 IC5201-51



REC 0.26 Vp-p
5 mV/10 µsec/DIV

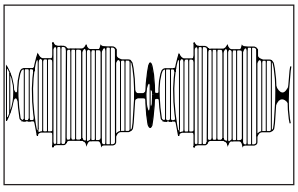
WF2 IC5201-44



PB 24 mVp-p
1 mV/5 msec/DIV

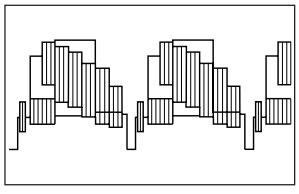
— VOUT —

WF1 IC4702-9



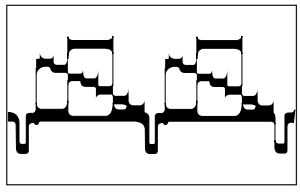
REC 0.4 Vp-p
PB 0.44 Vp-p
10 mV/10 µsec/DIV

WF2 IC4702-12



REC/PB 0.7 Vp-p
10 mV/10 µsec/DIV

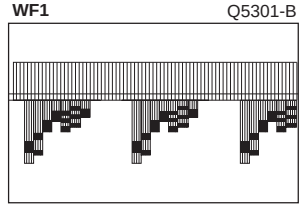
WF3 IC4702-15



REC/PB 0.58 Vp-p
10 mV/10 µsec/DIV

— CCD —

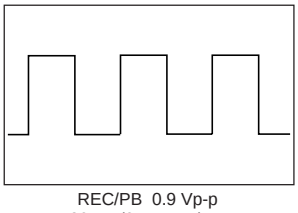
WF1 Q5301-B



EE 0.28 Vp-p
10 mV/10 µsec/DIV

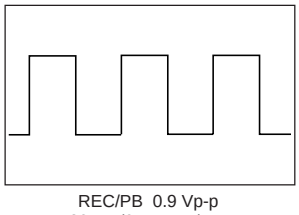
— CPU —

WF1 IC101-109



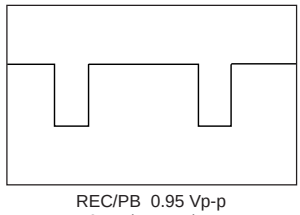
REC/PB 0.9 Vp-p
20 mV/0.5 msec/DIV

WF2 IC101-111



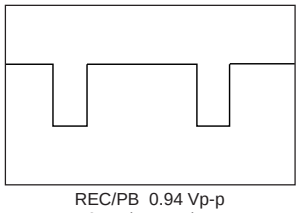
REC/PB 0.9 Vp-p
20 mV/0.1 msec/DIV

WF3 IC101-113



REC/PB 0.95 Vp-p
50 mV/5 msec/DIV

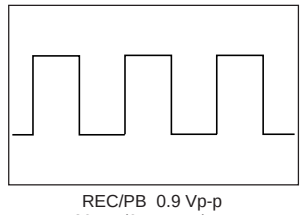
WF2 IC1601-26



REC/PB 0.94 Vp-p
50 mV/5 msec/DIV

— M.MDA —

WF1 IC1601-25



REC/PB 0.9 Vp-p
20 mV/0.1 msec/DIV